

# PRIAMUS

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kullanılmıştır (Vis & Coene, 1987). Yine geçen 35 yıl içerisinde taksonomik ve nomenklatür durumları değişen yüzlerce tür ve alttürün bulunması, bu çalışmadaki bilgilerin kullanımında zorluklar doğurmaktadır. Belki de lepidopteristlerin Kostrowicki'nin araştırmalarının sonuçlarına pek rağbet etmemelerinin nedeni bu olsa gerekir. Aslında son elli yıl içinde lepidopteristlerin fauna araştırmalarını tamamlayacak olan zoocoğrafik analizleri hiç yapmamaları düşündürücü ise de, söz konusu durum bu alandaki pratik bilgilerin yetersizliğine de bağlanabilir. Bu nedenle gelecekteki coğrafik araştırmalara esas teşkil etmesi için Kostrowicki'nin çalışmasındaki sonuçlar revizyona tabi tutulmuş, coğrafik bilgiler büyük ölçüde güncelleştirilmiştir. Özellikle Avrupa, Kuzey Afrika ve Batı Asya kelebekleri ile ilgili araştırma programımız çerçevesinde 1800 den fazla kelebek türü, Kostrowicki'nin belirlediği esaslar çerçevesinde yeniden kodlanmıştır.

Hazırlanan bu makale, araştırma merkezimiz tarafından yürütülen kelebek coğrafyası araştırmalarının ilkidir. Ankara keleklerinin coğrafik analizini Türkiye'nin diğer illeri ile komşu ülkelerin kelebek faunalarının analizleri takip edecektir. A.Ö.K.

## **I. Ankara Vilayeti Kelebeklerinin Zoocoğrafik Analizi**

Ankara vilayetinde bugüne kadar sürdürülen faunistik araştırmaların sonuçlarına göre bölgede toplam olarak 177 tür kelebek bulunmaktadır (Koçak, 2000). Bu türlerin Kostrowicki'nin (1969) fauna elementleri olarak ileri sürdüğü adlandırma çerçevesinde dağılımı aşağıda belirtilmiştir. Her fauna bölgesi içindeki elementler familya ve tür olarak alfabetik dizilmiştir. Buna göre, Ankara vilayetindeki türlerin sayısal dağılımı şöyledir.

### **121 1 Holarctic-Boreal Transcontinental element (3)**

Argynnidae: Boloria (Clossiana) euphrosyne (Linnaeus,1758); Satyridae: Erebia medusa ([Denis & Schiffermüller],1775); Lasiommata petropolitana (Fabricius,1787).

### **122 2 Palaearctic-Boreal West-mid-Palaearctic element (1)**

Papilionidae: Parnassius (s.str.) apollo (Linnaeus,1758).

### **131 1a Holarctic-temperate Transcontinental Temperate-Boreal element (1)**

Argynnidae: Mellicta athalia (Rottemburg,1775).

### **131 1b Holarctic-temperate Transcontinental Temperate-Meridional element (8)**

Argynnidae: Nymphalis antiopa (Linnaeus,1758); Polygonia c-album (Linnaeus,1758); Hesperidae: Hesperia comma (Linnaeus,1758); Thymelicus lineolus (Ochsenheimer,1808); Papilionidae: Papilio (s.str.) machaon Linnaeus,1758; Pieridae: Aporia (s.str.) crataegi (Linnaeus,1758); Pieris (Artogeia) rapae (Linnaeus,1758); Satyridae: Coenonympha pamphilus (Linnaeus,1758).

### **132 11a Temperate-Palaearctic Temperate-suboceanic-oceanic element (4)**

Argynnidae: Argynnis (Fabriciana) adippe (Rottemburg,1775); Argynnis (Speyeria) aglaja (Linnaeus,1758); Argynnis (s.str.) paphia (Linnaeus,1758); Coliadidae: Gonepteryx (s.str.) rhamni (Linnaeus,1758).

### **132 11b Temperate-Palaearctic Temperate subcontinental-continental element (14)**

Argynnidae: Aglais urticae (Linnaeus,1758); Euphydryas (Eurodryas) aurinia (Rottemburg,1775); Nymphalis xanthomelas (Esper,[1781]); Hesperidae: Pyrgus malvae (Linnaeus,1758); Lycaenidae: Callophrys rubi (Linnaeus,1758); Cupido (s.str.) minimus (Fuessly,1775); Glaucopsyche (s.str.) alexis (Poda,1761); Heodes (s.str.) virgaureae (Linnaeus,1758); Maculinea arion (Linnaeus,1758); Polyommatus (Aricia (Eumedonia)) eumedon (Esper,[1780]); Polyommatus (s.str. (Plebicula)) amandus (Schneider,1792); Polyommatus (s.str.) icarus (Rottemburg,1775); Scolitantides orion (Pallas,1771); Pieridae: Anthocharis cardamines (Linnaeus,1758).

### **132 11d Temperate-Palaearctic Submeridional-subcontinental element (2)**

Argynnidae: Melitaea phoebe (Goeze,1779); Hesperidae: Erynnis tages (Linnaeus,1758).

### **132 12a European-Manchurian Temperate-suboceanic element (3)**

Argynnidae: Inachis io (Linnaeus,1758); Lycaenidae: Plebejus (s.str.) argus (Linnaeus,1758); Satyrium (Strymonidia) w-album (Knoch,1782).

### **132 12b European-Manchurian Temperate-subcontinental element (2)**

Lycaenidae: Polyommatus (Aricia (s.str.)) artaxerxes (Fabricius,1793); Satyrium (Nordmannia) ilicis (Esper,[1779]).

### **132 12c European-Manchurian Submeridional-subcontinental element (1)**

Lycaenidae: Satyrium (Strymonidia) spini (Fabricius,1787).

### **132 21a European-Altai element (3)**

Lycaenidae: Cupido (Everes) alcetas (Hoffmannsegg,1804); Pieridae: Leptidea sinapis (Linnaeus,1758); Satyridae: Maniola jurtina (Linnaeus,1758).

### **132 21b European-Turano element (21)**

Argynnididae: Argynnis (Fabriciana) niobe (Linnaeus,1758); Brenthis hecate ([Denis & Schiffermüller],1775); Melitaea cinxia (Linnaeus,1758); Nymphalis polychloros (Linnaeus,1758); Hesperidae: Carcharodus (Lavatheria) lavatherae (Esper,[1783]); Carcharodus (Reverdinus) orientalis Reverdin,1913; Carcharodus (s.str.) alceae (Esper,[1780]); Pyrgus serratulae (Rambur,[1839]); Pyrgus sidae (Esper,[1784]); Lycaenidae: Cupido (s.str.) osiris (Meigen,[1829]); Heodes (Alciphronia) alciphron (Rottemburg,1775); Heodes (Loweia) tityrus (Poda,1761); Polyommatus (Aricia (s.str.)) agestis ([Denis & Schiffermüller],1775); Polyommatus (s.str. (Admetusia)) ripartii (Freyer,[1830]); Papilionidae: Iphiclides podalirius (Linnaeus,1758); Papilio (s.str.) alexanor Esper,[1800]; Parnassius (Driopa) mnemosyne (Linnaeus,1758); Pieridae: Pontia edusa (Fabricius,1777); Satyridae: Arethusana arethusa ([Denis & Schiffermüller],1775); Hyponephele (s.str.) lupina (Costa,[1836]); Lasiommata maera (Linnaeus,1758).

### **132 22a European-west Siberian element (5)**

Hesperidae: Thymelicus sylvestris (Poda,1761); Lycaenidae: Polyommatus (s.str. (Plebicula)) dorylas ([Denis & Schiffermüller],1775); Quercusia quercus (Linnaeus,1758); Satyridae: Coenonympha arcania (Linnaeus,1761); Pararge aegeria (Linnaeus,1758).

### **132 23a South-European-submeridional element (7)**

Argynnididae: Limenitis reducta Staudinger,1901; Coliadidae: Colias sareptensis Staudinger,1881; Lycaenidae: Polyommatus (s.str. (Lysandra)) bellargus (Rottemburg,1775); Satyridae: Brintesia circe (Fabricius,1775); Hipparchia (Neohipparchia) statilinus (Hufnagel,1766); Lasiommata megera (Linnaeus,1767); Melanargia galathea (Linnaeus,1758).

### **132 23c Pontic element (9)**

Hesperidae: Muschampia proteides (Wagner,1929); Lycaenidae: Polyommatus (s.str. (Admetusia)) admetus (Esper,[1783]); Polyommatus (s.str. (Meleageria)) daphnis ([Denis & Schiffermüller],1775); Polyommatus (s.str. (Neolysandra)) coelestinus (Eversmann,1843); Polyommatus (s.str.) eroides (Frivaldsky,1835); Rubrapterus bavius (Eversmann,1832); Satyrium (Nordmannia) acaciae (Fabricius,1787); Tomares (nogelii) dobrogensis (Caradja,1895); Satyridae: Coenonympha leander (Fabricius,1787).

### **141 1 Holarctic Meridional Transcontinental mountainous element (1)**

Pieridae: Pontia callidice (Hübner,[1800]).

### **142 11 Palaearctic Meridional Transpalaearctic element (4)**

Argynnididae: Melitaea didyma (Esper,[1779]); Hesperidae: Spialia (Neospialia) orbifer (Hübner,[1823]); Thymelicus acteon (Rottemburg,1775); Pieridae: Pontia chloridice (Hübner,[1813]).

### **142 12 Palaearctic Meridional Mediterranean-Japanese element (3)**

Argynnididae: Melitaea fascelis (Fabricius,1787); Hesperidae: Ochlodes venatus (Bremer & Grey,[1852]); Libytheidae: Libythea celtis (Laicharting,1782).

### **142 21 Palaearctic Meridional West Palaearctic Mediterranean-West Tibetan element (12)**

Argynnididae: Argynnis (Pandoriana) pandora ([Denis & Schiffermüller],1775); Vanessa atalanta (Linnaeus,1758); Hesperidae: Muschampia tessellum (Hübner,[1802]); Pyrgus armoricanus (Oberthür,1910); Lycaenidae: Plebejus (Lycæides) idas (Linnaeus,1761); Polyommatus (s.str. (Thersitesia)) thersites (Canterer,[1835]); Pseudophilotes vicrama (Moore,1865); Thersamonia (s.str.) thersamon (Esper,[1784]); Pieridae: Pieris (s.str.) brassicae (Linnaeus,1758); Zegris eupheme (Esper,[1804]); Satyridae: Chazara (s.str.) briseis (Linnaeus,1764); Proterebia afra (Fabricius,1787).

### **142 22 Palaearctic Meridional West Palaearctic North Mediterranean element (1)**

Hesperidae: Pyrgus cinarae (Rambur,[1839]).

### **142 22a Palaearctic Meridional West Palaearctic North Mediterranean Circummediterranean element (5)**

Coliadidae: Colias crocea (Fourcroy,1785); Lycaenidae: Iolana iolas (Ochsenheimer,1816); Pieridae: Euchloe (s.str.) ausonia (Hübner,[1804]); Pieris (Artogeia) mannii (Mayer,1851); Satyridae: Hipparchia (Parahipparchia) aristaeus (Bonelli,1826).

#### **142 23a Palaearctic Meridional West Palaearctic All North African element (1)**

Argynnididae: Melitaea (phoebe) punica Oberthür, 1876.

#### **142 24a Palaearctic Meridional West Palaearctic All West Asiatic element (38)**

Argynnididae: Euphydryas (Eurodryas) orientalis (Herrich-Schäffer, [1845]); Polygonia egea (Cramer, [1775]); Thaleropis ione (Eversmann, 1851); Coliadidae: Colias aurorina Herrich-Schäffer, [1850]; Gonepteryx (s.str.) farinosa (Zeller, 1847); Hesperidae: Erynnis marloyi (Boisduval, [1834]); Pyrgus melotis (Duponchel, [1834]); Spialia (s.str.) phlomidis (Herrich-Schäffer, [1845]); Thymelicus hyrax (Lederer, 1861); Lycaenidae: Heodes (Palaeochrysophanus) candens (Herrich-Schäffer, [1845]); Plebejus (Kretania) carmon (Gerhard, [1851]); Polyommatus (Albulina (Plebejidea)) loewii (Zeller, 1847); Polyommatus (Aricia (Ultraaricia)) anteros (Freyer, [1838]); Polyommatus (s.str. (Admetusia)) demavendi (Pfeiffer, 1938); Polyommatus (s.str. (Agrodiaetus)) iphigenia (Herrich-Schäffer, [1847]); Polyommatus (s.str. (Agrodiaetus)) poseidon (Herrich-Schäffer, [1851]); Polyommatus (s.str. (Cyaniris)) bellis (Freyer, [1842]); Polyommatus (s.str. (Sublysandra)) cornelius (Freyer, [1850]); Satyrium (Nordmannia) abdominalis (Gerhard, [1850]); Satyrium (Superflua) ledereri (Boisduval, 1848); Thersamonia (s.str.) kefersteinii (Gerhard, [1850]); Thersamonia (s.str.) thetis (Klug, 1834); Turanana endymion (Freyer, [1850]); Papilionidae: Archon apollinus (Herbst, 1798); Pieridae: Anthocharis gruneri Herrich-Schäffer, [1851]; Pieridae: Euchloe (Elphinstonia) penia (Freyer, [1852]); Leptidea duponcheli (Staudinger, 1871); Pieris (Artogeia) ergane (Geyer, [1828]); Pieris (Artogeia) pseudorapae Verity, 1908; Satyridae: Chazara (Neochazara) anthe (Hoffmannsegg, 1804); Esperarge clymene (Fabricius, 1787); Hipparchia (Neohipparchia) fatua (Freyer, 1844); Hipparchia (s.str.) syriaca (Staudinger, 1871); Kirinia roxelana (Cramer, [1777]); Melanargia larissa (Geyer, [1828]); Pseudochazara (s.str.) geyeri (Herrich-Schäffer, [1846]); Pseudochazara (s.str.) mnischevii (Herrich-Schäffer, [1851]); Satyrus amasinus Staudinger, 1861.

#### **142 24b Palaearctic Meridional West Palaearctic West Asiatic Anatolian element (10)**

Lycaenidae: Plebejus (Plebejides) modicus Verity, 1935; Polyommatus (s.str. (Admetusia)) menalcas (Freyer, [1837]); Polyommatus (s.str. (Agrodiaetus)) eurytilos (Gerhard, [1851]); Polyommatus (s.str. (Agrodiaetus)) hopfferi (Gerhard, [1851]); Polyommatus (s.str. (Agrodiaetus)) wagneri (Forster, 1956); Polyommatus (s.str. (Lysandra)) ossmar (Gerhard, [1851]); Polyommatus (s.str. (Sublysandra)) myrrhus (Herrich-Schäffer, [1852]); Tomares (nogelii) nogelii (Freyer, [1851]); Papilionidae: Zerynthia (Allanacstria) deyrollei (Oberthür, 1869); Satyridae: Pseudochazara (Achazara) anthelea (Hübner, [1824]).

#### **142 24c Palaearctic Meridional West Palaearctic West Asiatic Tauro-Iranian element (1)**

Satyridae: Pseudochazara (s.str.) beroe (Freyer, [1843]).

#### **142 24d Palaearctic Meridional West Palaearctic West Asiatic Tauro-Lebano-Cyprian element (4)**

Hesperidae: Muschampia nomas (Lederer, 1855); Lycaenidae: Polyommatus (s.str. (Admetusia)) alcestis (Zerny, 1932); Tomares (nogelii) nesimachus (Oberthür, 1893); Papilionidae: Zerynthia (Allanacstria) cerisyi (Godart, 1822).

#### **142 24e Palaearctic Meridional West Palaearctic West Asiatic Armeno-Caucasian element (4)**

Lycaenidae: Polyommatus (s.str. (Admetusia)) mithridates (Staudinger, 1878); Polyommatus (s.str. (Agrodiaetus)) surakovi Dantchenko & Lukhtanov, 1994; Satyridae: Chazara (s.str.) bischoffi (Herrich-Schäffer, [1846]); Hyponephele (s.str.) zuvandica Samodurov & Koroljev, 1996.

#### **211 1 Cosmopolitan element (1)**

Argynnididae: Cynthia cardui (Linnaeus, 1758).

#### **211 2 Holarctic-Oriental element (2)**

Lycaenidae: Celastrina argiolus (Linnaeus, 1758); Cupido (Everes) argiades (Pallas, 1771).

#### **221 1 Palaearctic-Palaeotropical Transpalaearctic-Palaeotropical element (2)**

Lycaenidae: Lampides boeticus (Linnaeus, 1767); Lycaena (s.str.) phlaeas (Linnaeus, 1761).

#### **221 2 West Palaearctic - Palaeotropical Element (1)**

Lycaenidae: Tarucus balkanicus (Freyer, [1843]).

#### **222 1 Transpalaearctic- Oriental Element (1)**

Argynnididae: Issoria lathonia (Linnaeus, 1758).

#### **223 1 Palaearctic-Ethiopian Mediterranean-Arabic-Sudanese element (1)**

Lycaenidae: Leptotes pirithous (Linnaeus,1767).

### 321 1 Palaeotropical Oriental-Ethiopian element (1)

Lycaenidae: Chilades (Freyeria) trochylus (Freyer,[1843]).

Ankara Vilayeti dahilindeki kelebek türleri temsil ettikleri 34 fauna bölgesinin elementleri olarak aşağıdaki tablolarda sayısal açıdan değerlendirilmiştir. Buna göre Ankara kelebek faunasını oluşturan fauna bölgelerinin elementlerinin sayısal değerleri Tablo 1'de özetlenmiştir. Ankara vilayeti faunası, %22,14 oranında bütün batı Asya'yı kapsayan fauna bölgesinin elementleriyle temsil edilmektedir. Bunu ikinci sırada Avrupa-Turan fauna bölgesinin elementleri (%11,86), üçüncü sırada ise Ilıman Palearktik Karasal fauna bölgesinin elementleri (%07,90) takip etmektedir. Asya elementlerine fitocoğrafik ve jeobotanik açısından bakılırsa, bunlar Irano-Turanien karakterindedir.

Tablo.1. Fauna Bölgelerine Göre Elementlerin Sayısı ve Oranları

Fauna Bölgesi ve Kodu (Kostrowicki'ye göre)	Element sayısı	Temsil oranı ~ %
142 24a Palaeartic Meridional West Palaeartic All West Asiatic element	038	22,14
132 21b European-Turano element	021	11,86
132 11b Temperate-Palaeartic Temperate subcontinental-continental element	014	07,90
142 21 Palaeartic Meridional West Palaeartic Mediterranean-West Tibetan element	012	06,77
142 24b Palaeartic Meridional West Palaeartic West Asiatic Anatolian element	010	05,64
132 23c Pontic element	009	05,08
131 1b Holarctic-temperate Transcontinental Temperate-Meridional element	008	04,51
132 23a South-European-submeridional element	007	03,95
Diğer 26 fauna bölgesi toplamı	058	32,76
Toplam	177	100

Tablo 2'de Ankara kelebek faunasını oluşturan elementlerin sınıf kategorisindeki sayısal değerlendirmesi verilmiştir. Buna göre Ankara'da Holarktik elementler büyük bir çoğunluğa sahiptir (%94,92). Tablo 3'de ise Ankara Vilayeti faunasını oluşturan elementlerin takım kategorisindeki sayısal değerlendirmesi verilmiştir. Buna göre Irano-Turanien'in büyük oranda temsil edildiği Palearktik-meridional takım elementleri (% 46,89) ile bölge faunasına hakim durumdadır. Temperate-Palearktik fauna elementleri ise yine önemli derecede bölgede temsil edilmektedir (% 40,11). Geriye kalan elementler ise takım seviyesinde 9 fauna bölgesine ait olup bölge faunasına oldukça önemsiz bir oranda iştirak etmektedirler.

Tablo.2. Sınıf Kategorisindeki Fauna Bölgelerine Göre Elementlerin Sayısı ve Oranları

Kostrowicki'ye göre "Classis" kategorisindeki Fauna bölgeleri	Element sayısı	Temsil oranı %
1. Holarctic	168	94,92
2. Holarctic- Tropical	008	04,52
3. Tropical	001	00,56
Toplam	177	100,00

Tablo.3. Takım Kategorisindeki Fauna Bölgelerine Göre Elementlerin Sayısı ve Oranları

Kostrowicki'ye göre "Ordo" kategorisindeki Fauna bölgeleri	Element sayısı	Temsil oranı ~ %
142. Palaeartic-meridional	83	46,89
132. Temperate-Palaeartic	71	40,11
131. Holarctic-temperate	09	05,08
221. Palaeartic- Oriental- Ethiopian	03	01,69
211. Transpalaeartic- Palaeotropical	03	01,69
121. Holarctic- Boreal	03	01,69
321. Oriental- Ethiopian	01	00,56
223. Palaeartic- Ethiopian	01	00,56
222. Palaeartic- Oriental	01	00,56
141. Holarctic- Meridional	01	00,56
122. Palaeartic-Boreal	01	00,56
Toplam	177	100

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## Lepidoptera Coğrafiyesi Üstide tetqiqatlar

### 2. Qazaqstan Képineklirining Zoocoğrafiyesi ve Taksonomiyesi Üstide Tetqiqatlar

(*Lepidoptera, Papilionoidea, Hesperioidea*)

Ahmet Ö. Koçak    Muhabbet Kemal

**Abstract:** Studies on the Geography of the Lepidoptera 2. Studies on the taxonomy and the zoogeography of the butterflies of Kazakhstan (*Lepidoptera, Papilionoidea, Hesperioidea*) [in Uighur language, with Chinese and Turkish summaries]. *Priamus* 10 (3/4): 111-163.

This survey comprises the preliminary scientific results of the agreement between the Institute of Zoology, Almaty and the Centre for Entomological Studies, Ankara (Cesa). The article is based upon the material collected by the authors during the scientific expeditions of the Cesa in the years of 1999 and 2000, as well as the literary data concerning the fauna of the butterflies of Kazakhstan. Totally 337 species are listed. Original references with basic information to the nomenclature, synonyms are given to each species. Faunal elements with their codes (sensu Kostrowicki) are updated and adapted to the butterflies of Kazakhstan. The species described after 1965 and those of *Hesperidae* are firstly defined here as faunal elements. Taxonomically, some new taxa at the subgeneric, subspecific and infrasubspecific levels are proposed here: *Turanoporia* n. sect., *Iranonephele* n. sect., *Tengrinephele* n. sect., *Turkestaninephele* n. sect., *Caspinephele* n. sect., *Ereminephele* n. sect., *Orientinephele* n. sect., *Coenonephele* n. sect., *Turaninephele* n. sect., *Hyponephele* (s.str. (*Caspinephele*)) *dysdora* ssp. *iparkhan* nom. nov. pro *Hyponephele dysdora* ssp. *dysdorina* sensu Samodrov et al., 1996 nec Rühl, 1894; *Polyommatus* (s.str. (*Admetusia*)) *ripartii* ssp. *tengritaghius* (ssp.n.); *Neptis rivularis* f. *tolunay* (f.n.). Neotypes are designated here for the following taxa: *Aporia crataegi* ssp. *tianschanica* Rühl, 1893, *Hyponephele dysdora* ssp. *dysdorina* Rühl, 1894.

**Key words:** Zoogeography, butterfly, Kazakhstan, taxonomy, nomenclature, new taxa.

要点：

这本短文在阿拉木图动物研究院和 Cesa 之间定约的哈萨克旦斯 *Papilionoidea* 和 *Hesperioidea* 所有动物 (fauna) 上提出的第一次广泛的一个研究短文。研究的目的是调查在哈萨克斯旦所有蝴蝶种类。短文提议给种类的今天有效的科学名确定种类属于哪个地理区的要素，进行地理方面分析。短文确定在哈萨克斯旦领土上危险中的蝴蝶种类调查工作为做出基础。为此作者在 1999 年和 2000 年中在哈萨克斯旦进行调查研究。到今天为止确定的 337 中在下面给表格清单。清单上写在每个种类的今天有效的科学名作者，出版日期，原稿和异名，给每个种的分布领土和这些地区的代码一起。

在分布特点和 Kostrowicki (1969) 的动物地理标准，命名和考虑代码情况，在哈萨克斯旦第一次这本短文完全给代码起了。代码的一部分在按 Kostrowicki (1969) 再度改编。一部分是本文第一次提议。在分类上有些种类合理在按国际动物命名法规规定描述在脚注。短文包括在下面主要内容：

1. 哈萨克斯旦蝴蝶的种类清单。
2. 组成在哈萨克斯旦 fauna 要素属于 fauna 地带的清单。
3. 附加。
4. 关于哈萨克斯旦蝴蝶广泛的原稿清单。

**ÖZET:** Bu çalışma, Almaty'deki Zooloji Enstitüsü ile Cesa arasında yapılan ve Kazakistan *Papilionoidea*, *Hesperioidea* faunasının incelenmesi ile ilgili olarak yapılan bilimsel bilimsel sözleşme çerçevesinde ortaya konan ilk kapsamlı araştırmadır. Çalışmanın amacı, Kazakistan kelebek faunasını tür düzeyinde tespit etmek, taksonların bilimsel isim ve referanslarını kontrol ederek güncelleştirmek, türleri zoocoğrafik elementler olarak tayin ederek bu sahada bir değerlendirme yapmaktır. Bu araştırmalar Kazakistan Cumhuriyeti topraklarında yaşayan kelebek türleri ile ilgili hazırlanmakta olan kırmızı kitap çalışmalarına da katkı sağlayacaktır. Bu maksatla 1999 ve 2000 yıllarında yazarlar tarafından bölgede yapılan arazi çalışmalarının sonuçlarıyla, konuya yönelik literatürden taranan bilgiler değerlendirilmiş, belirlenen toplam 337 tür çalışmada liste halinde sunulmuştur. Her tür, güncel bilimsel ismi, yazarı, yayın tarihi, orjinal referansları ve genç sinonimleriyle birlikte verilmiştir. Her türün yayılışı bulundukları ülke ve bölgelerin kodları ile ifade edilmiştir.<sup>1</sup> Kazakistan'da tespit edilen bütün türler ilk defa bu çalışmada yayılış özellikleri, Kostrowicki'nin (1969) zoocoğrafik kriterleri, isimlendirme ve kodlaması dikkate alınarak tam olarak kodlanmıştır. Kodların bir kısmı Kostrowicki'den kontrol edilerek ve güncelleştirilerek alınmış, bir kısmı da ilk defa bu çalışma içinde teklif edilmiştir.<sup>2</sup> Taksonomik olarak bazı türler seksiyon kategorisinde ilk defa gruplandırılmış ve bu çalışmada isimlendirilmiştir. Konuyla ilgili ICZN'ye uygun biçimde tanımlamalar dipnotlarda verilmiştir.

Makale şu bölümleri kapsamaktadır. 1. Kazakistan'da bulunan kelebek türlerinin listesi. Burada her familyaya ait türler liste halinde verilirken, gerekli referans bilgileri, sinonimleri, yayılış ve fauna elementleri olarak kodlarına da yer verilmiştir. 2. Kazakistan faunasını oluşturan elementlerin ait oldukları fauna bölgeleri ile birlikte listesi. Bu bölümde fauna bölgeleri kod olarak ifade edilmiş, ait olan elementler alfabetik sıralanmıştır. Bölümün sonunda fauna elementleri bir tabloda sayısal olarak değerlendirilmiştir. 3. İlaveler. Bu bölümde, çalışmada adı geçen ülke ve bölge kodları alfabetik bir liste halinde sunulmuştur. Ayrıca fauna bölgelerinin elementleri ve bunların kodları bir liste halinde düzenlenmiştir. 4. Kazakistan kelekeleri ile ilgili kapsamlı bir referans listesine de yer verilmiştir.

Bu maqale Alma-Atadiki Zoologiyeni Enstituti bilan "Cesa" ottursida tüzülgen ve Qazaqistan *Papilionoidea*, *Hesperioidea* faunasining tetqiqati üstide tüzülgen ilmi kélişimge asasen otturğa qoyulğan tunci qétimlik keng dairilik bir tetqiqat maqalisidur. Tetqiqatning meqsidi, Qazaqistan kápineq faunasini tür seviyeside éniqlap otturğa qoyuş, taksonlarning ilmi nami ve référanslarını tekşürüp çıqıp, künümüzde kolinilivatqan ilmi nami bilan ataşni teşşebbus qılış, türlerini qaysu zoocoğrapiyelik rayonğa ait élimint ikenlikini éniqlap, bu heqte bir muhakime élip bérış.

Bu maqale Qazaqistan Cumhuriyeti téritoriyisi içidiki kápineq türleri üstide hazirlinivatqan "Qizil Kitap" tetqiqat xizmetliri üçün esas salıdu. Bu meqset bilen yazğuçılar teripidin 1999 ve 2000 yıllarida Qazaqistanda élip bérilğan tekşürüş işlirining neticiliri bilen bu tetqiqatqa munasivetlik léteratürdin tallap élingan melumatlar nezerge élinip, hazirgiçe éniqlap çıqılğan 337 tür tövende tizimlik şeklida bérildi. tizimlikteki her bir tür, künümüzde küçge ige ilmi ismi, yazğuçisi ve neşirdin çıqış tarixi orginal référansi ve yaş sinonimliri bilen birlikte bérildi. Her bir türning tarqalğan teritoriyisi, yeni qaysu memliketning topraqliriğa tarqalğanliqi ve tarqalğan rayonlarning qisqartilğan sémvolliri bilen birge bérildi. Tarqılış jehettiki alahidilikler, zoocoğrapiyelik ölçemler (Kostrowicki, 1969), isim bérilişi ve kotliniş ehvalliri nezerge élinip, Qazaqistanda éniqlanğan türler tunci qétim bu maqalide tamamen sémvollaturulup çıqildi. Kotlarning bir kısmi Kostrowickining kitavini qayta tekşürüp çıqıp, künümüzde küçke ige ilmi ismi bilen élini, bir qismi bolsa texi birinci qétim bu maqalide teklif qilindi. Taksonomiye cehettin bezi türler séksiyon katigoriyeside tunci qétim guruplandırildi ve isimlendirildi. Bu heqte ICZN'ge uyğun halda teripler ve éniqlimlar (her betning astida) bérildi.

<sup>1</sup> Ülke ve rayonlarning kotliri maqalining axirida tizimlik şeklida bérildi. Tizimlikning URL adresi mundaq: <http://www.members.tripod.com/entlep/code.htm>

<sup>2</sup> Bu maqalida tunci qétim kotlangan élimintler \* bilen işaretlendi.

Maqale tövendiki bölümlerni öz içige almaqta: 1.Qazaqistandiki képinek türlerinin tizimlikli. Bunungda her bir ailige ait türler tizimlik şeklide bériliş bilen birge, muhim bolğan référans melumatliri, sinonimliri, tarqilişi ve fauna élimintliri süpitide sémvolliri üçünmu yer bérildi. 2.Qazaqistan faunasini teşkil qilidiğan élimintler ait bolğan fauna rayonlirining tizimlikli. Bu bölümde fauna rayonliri sémvolliniş şekli bilen ipadiliniş, ait bolğan élimint élibbe qaidisi boyiçe tizildi. Bölümning axirida fauna élimintliri bir grape arqiliq reqler bilen sunuldi. 3.Qoşumçılar. Bu bölümde tetqiqat élip bérilğan ölke ve rayon semvolliri élibbe tertivi boyiçe tizimlik şeklide bérildi. Bundin başqa fauna rayonlirining sémvolliri çüşendürülgen bir tizimlikmu tüzüp çiqildi. 4.Qazaqistan képinekliri bilen munasivetlik keng dairilik bir référans tizimlikli üçünmu yer bérildi.

## 1. Qazaqistandiki *Papilionoidea* ve *Hesperioidea* üstailisige ait türlerinin tizimligi

Qazaqistanda éniqlap çiqilğan türlerinin herqaysi aililerde igelligeni sani tövendikidek: *Papilionidae* (17), *Pieridae* (23), *Coliadidae* (15), *Libytheidae* (1), *Danaiidae* (1), *Argynnidae* (67), *Satyridae* (83), *Riodinidae* (1), *Lycaenidae* (106), *Hesperiidae* (23). Türlerge ait toluq tizimlik tövende sunuldi.

### PAPILIONOIDEA

#### PAPILIONIDAE (17 species)

##### ***Zerynthia* (s.str.) *polyxena* ([Denis & Schiffermüller],1775)**

*Papilio polyxena* [Denis & Schiffermüller],1775, *Ankündigung syst. Werkes Schmett. Wienergegend*: 162. Type(s): [Austria]: Vienna district. Menidaş isimler: *hypermnestra* Scopoli,1763 nec Linnaeus,1763; *polyxena* [Denis & Schiffermüller],1775; *hypsipyle* Fabricius,1777; *aristolochiae* Schneider,1787 nec Fabricius,1775. Tarqilişi (sémvoli): AT BG B-H BY Cr CZ FR GR HU HV IT KG Kr MK RO RU Si SK Sm So Sr SS TR UA Uk VI YU Mkl Wn Slv Sof Ser Mt Beo Ko LAT Wn Fauna rayonining éliminti (sémvoli): 132 23a

##### ***Hypermnestra* *helios* (Nickerl,1846)**

*Ismene helios* Nickerl,1846, *Stettin ent. Ztg.* 7: 208, Pl.[3], figs.A-D. Menidaş isimler: *helios* Nickerl,1846; *maxima* Lang,1884. Tarqilişi (sémvoli): Aa AF BI Db IR Kbb KG Kp Ky PK Syr TJ Tm TM UZ Fauna rayonining éliminti (sémvoli): 142 34

##### ***Parnassius* (Driopa) *mnemosyne* (Linnaeus,1758)**

*Papilio mnemosyne* Linnaeus,1758, *Syst. Nat. (Edn.10)* 1: 465. Type(s): Finlandia. Menidaş isimler: *mnemosyne* Linnaeus,1758 Tarqilişi (sémvoli): AF AL AM AN AT Ba BG B-H BY CH CN CZ DE DK EE ES FI FR GG GR HU HV IR IT IT KG KK Kr LT LV MK NO PL RO RU SE Si SK Sm So Sr SS TJ TM TR UA Uk UZ VI YU Mt Ko Mkl Trb Dur Sof Rg Rtc Slv Zag Skp Beo SY TrA Fauna rayonining éliminti (sémvoli): 132 21b

##### ***Parnassius* (s.str.) *actius* (Eversmann,1843)**

*Doritis actius* Eversmann,1843, *Bull. Soc. Nat. Moscou* 16: 540, Tb.9 figs.2a,b. Type(s): "Altai [sic]" Dshungarischer Alatau (Lukhtanov & Lukhtanov,1994:42). Menidaş isimler: *actius* Eversmann,1843; *urumtschiensis* Verity,[1906]; *jacovlevi* Korb,1998. Tarqilişi (sémvoli): Ch CN KG KK PK Ui Bc DsA Um Au Ju Pm TJ T-S Na Gg PK T-A Ax Ta Tls UZ Al AF Bd Dj Ii Aa Ket Ku KuA Sem TeA Tk TrA M-A Anj Bqu Hk Fauna rayonining éliminti (sémvoli): 142 35

##### ***Parnassius* (s.str.) *apollo* (Linnaeus,1758)**

*Papilio apollo* Linnaeus,1758, *Syst. Nat. (Edn.10)* 1: 465, nr.41. Type ♂: Svecia (cf. Verity,1913: 176). Menidaş isimler: *apollo* Linnaeus,1758 Tarqilişi (sémvoli): AL AT Ba Bc BG B-H BY CH CN CZ DE Dj DK ES FI FR GR HU HV IT KG MK NO PL RO RU SE Sem Si SK Sm So Sr SS Tk TR Ui YU Mt Ko Tar Sau Ir Irk Sb Tt Kg Om To Pp Pw Kw Kts Um Ku T-S Fauna rayonining éliminti (sémvoli): 122 2

##### ***Parnassius* (s.str.) *apollonius* (Eversmann,1847)**

*Doritis apollonius* Eversmann,1847, *Bull. Soc. Nat. Moscou* 20(3): 71, Pl. 3, fig. 1, 2. Syntypes: Dshungarischer Alatau. Menidaş isimler: *apollonius* Eversmann,1847 Tarqilişi (sémvoli): CN KG Ku Mn T-S Ui Kt Kw KK Al TJ Ax Ket KuA TrA Bog Dj Ii Tk Kpt Aa Ktm Ku Mn Nym Sau Tar DsA H-S UZ Z-G Fauna rayonining éliminti (sémvoli): 142 33

##### ***Parnassius* (s.str.) *ariadne* Lederer,1853**

*Parnassius ariadne* Lederer,1853, *Verh. zool.- bot. Ver. Wien* 3: 354. Syntypes: [Kazachstan]: Südwestl. Altai [Buchtarma river]. Menidaş isimler: *ariadne* Lederer,1853; *clarius* Eversmann,1843 nec Hübner,[1806] Tarqilişi (sémvoli): At Kts Trt Aty CN KG Ktm Kts Mkk Mn Nym RU Sau Sp Ui Tar Buc Fauna rayonining éliminti (sémvoli): 132 24c

##### ***Parnassius* (s.str.) *boedromius* Püngeler,1901**

*Parnassius boedromius* Püngeler,1901, *Dt. ent. Z., Iris* 14: 177, Pl.1 figs.3,4. Type(s): [China: Uighur A.R.]: Tian Shan, nördl. Aksu. Menidaş isimler: *boedromius* Püngeler,1901; *pygmaeus* A.Bang-Haas,1910; *candida* Avinov,1913; *#fermata* Bryk & Eisner,1930; *#medioflavapupillata* Eisner,1959; *#flavapupillata* Eisner,1959. Tarqilişi (sémvoli): Aa Au CN Ju KG KK Sda T-S Ui Fauna rayonining éliminti (sémvoli): 142 33\*

### **Parnassius (s.str.) delphi (Eversmann,1843)**

*Doritis delphi* Eversmann,1843, Bull. Soc. Nat. Moscou 16: 541, t.7, figs.1a,b. Type(s): Altai [patria falsa]; Dschungarischer Alatau. Menidaş isimler: *delphi* Eversmann,1843 Tarqilişi (sémvoli): Aa AF Ax Bc Bd Bg Bik Blt Bt Ch Ci CN Dj Drw Fe Ga Gg Hk Hp Hu IN Ju Kbb KG KK Kml Ku KuA Ld Msg Na Nks Nmg Nrk PK Pm Prg Sdh Sem Shg Slt Spi Sry TeA TJ Tk Tkl Tls TrA T-S Ui UZ Ys Ik Fauna rayonining éliminti (sémvoli): 142 35

### **Parnassius (s.str.) discobolus Staudinger,1881**

*Parnassius corybas* ? var.? *discobolus* Staudinger,1881, Stettin ent. Ztg. 42: 275. Syntypes: Tianschan, Ala Tau. Menidaş isimler: *discobolus* Staudinger,1881; *discobolus* Alpheraky,1881; *dubia* Verity,1907; *rotundata* Verity,1911; *nexa* Verity,1911. Tarqilişi (sémvoli): Bc CN KG Kl Ku T-S Ui Fauna rayonining éliminti (sémvoli): 142 33\*

### **Parnassius (s.str.) eversmanni [Ménétriés],1850**

*Parnassius eversmanni* [Ménétriés],1850 [in] Siemaschko, Russkaya fauna, fasc.17, Lep. Tab. 4, fig.5. Type(s): Russia: [Siberia]: Kansk. Menidaş isimler: *eversmanni* [Ménétriés],1850 Tarqilişi (sémvoli): Als At Kts Trt Ltv Tj CAT SAT Aty CA CN Hkk JP Ju KG Mn MN RU Sb Sj T-S Ui US Ya Fauna rayonining éliminti (sémvoli): 121 2

### **Parnassius (s.str.) maximinus Staudinger,1891**

*Parnassius delphi* var. *maximinus* Staudinger,1891, Dt. ent. Z., Iris 4: 158. Syntypes: Gebirge südlich Taschkent. Menidaş isimler: *maximinus* Staudinger,1891 Tarqilişi (sémvoli): KG KK Kst Tas Tls Ug UZ Fauna rayonining éliminti (sémvoli): 142 33\*

### **Parnassius (s.str.) phoebus (Fabricius,1793)**

*Papilio phoebus* Fabricius,1793, Ent. Syst. 3(1): 181. Neotypes ♂♂ [sic!]: Altai, Onogdai, Kurai-Pass (designated by Bryk,1935: 219) (ZMB). Menidaş isimler: *phoebus* Fabricius,1793; *altaicus* Ménétriés,1859; *alpestris* Verity,[1911]. Tarqilişi (sémvoli): At Kts AT BY CH DE FR Ir IT KG Mn MN RU Sb Sj Ur US Als Kod Fauna rayonining éliminti (sémvoli): 121 1

### **Parnassius (s.str.) tianschanicus Oberthür,1879**

*Parnassius corybas* var. *tianschanica* Oberthür,1879, Etüd. ent. 4: 108. Syntypes 1♂ 1♀: [China: Uighur A.R.]: Forêt de Kouldja; Thianschan (montagnes célestes de la Chine). Menidaş isimler: *tianschanicus* Oberthür,1879; *discobolus* Alpheraky,1881; *almaataensis* Bryk & Eisner,1935. Tarqilişi (sémvoli): Aa AF Al Alt Au Ax Bg Ch Ci CN Fe Gg Hk Ju Ket KG KK Ku KuA Mn Na Nrk PK Pm Ta T-A TeA TJ TrA Ui Um UZ T-S Ku Alt Fauna rayonining éliminti (sémvoli): 142 35

### **Iphiclides podalirius (Linnaeus,1758)**

*Papilio podalirius* Linnaeus,1758, Syst.Nat. (Ed.10)1:463,nota. Syntypes: Europae austr. & Africae. Lectotype: Italy, Toscana (ICZN,Op.263). Menidaş isimler: *podalirius* Linnaeus,1758; *sinon* Poda,1761; *flammeus* Fourcroy,1785; *inalpinus* Verity,1911; *valesiaca* Verity,1911; *zanclaeides* Verity,1911; *pseudopersica* Rocci,1926. Tarqilişi (sémvoli): AL Ao At AT Ba BE BG B-H BY CH CN Co Cr CZ DE Dj DK DsA EE ES FI FR GR HU HV Ii IR IT Kb Ket KG Kp Kr Kt Ku Kun LT LU LV MK Mrk NL PL PT Pw Rd RO RU Sa Sau Sem Si SK Sm So Sp Sr Srm SS SW Tar Teb Ti Tk Tlk TM TR TrA T-S UA Ui Uk VI YU Rte Vm Sjn Trb Mst Sof Rg Skp Bgz Slv Ppp Mt Ko Fauna rayonining éliminti (sémvoli): 132 21b

### **Papilio (s.str.) alexanor Esper,[1800]**

*Papilio alexanor* Esper,[1800], Die Schmett., Suppl. 1,1: 89, Taf.110 fig.1 (nom. nov. pro *Papilio polydamas* De Prunner,1798) Type(s): "Nice en Provence" (ex De Prunner,1798: 69). Menidaş isimler: *polidamas* De Prunner,1787 nec Linnaeus,1758; *alexanor* Esper,[1800]; *polychaon* Loche,1801; *destelensis* Nel & Chauliac,1983. Tarqilişi (sémvoli): AF AL B-H FR GR HV IL IQ IR IT JO KG KK LB MK Si TJ TM TR UZ SS B-H HV Tm Fauna rayonining éliminti (sémvoli): 132 21b\*<sup>3</sup>

### **Papilio (s.str.) machaon Linnaeus,1758**

*Papilio machaon* Linnaeus,1758, Syst. Nat. (Ed 10)1: 462. Type(s): Europe. Taxonomical status of its subspecies needs more investigation. Menidaş isimler: *machaon* Linnaeus,1758; *reginae* Retzius,1783; *umbellatarum* Fabricius,1807; *aurantiaca* Speyer,1858. Tarqilişi (sémvoli): AF AL AM Ao At AT Ba BE BH B-H BY CH CN Co Cr CY CZ DE DK DZ EE ES FI FR GB GG GR HV Ii IN IQ IR Ir IT KG Kmt Kp Kr Krl Ku KW LB LT LU LV MA MD MK MN MT NL NO OM PK PL PT QA Rd RU Sa SA SE Sh Si SK Sm So Sr SS SY TM TN TR T-S UA Ui Uk US UZ VI Ya Ass BT Chb Hkk JP Kis Kr Mc MM NP Pja Shn SI Teb Ti Vv Yu Sjn Trb Mst Slv Rg Rte Mt Ko JO Kts Tm KK KP KR Um Fauna rayonining éliminti (sémvoli): 131 1b

## **PIERIDAE Duponchel,[1835] (23 species)**

### **Leptidea morsei (Fenton,1881)**

*Leptesia morsei* Fenton,1881, Proc. zool. Soc. Lond. 1881: 855. Type: Japan. Menidaş isimler: *morsei* Fenton,1882 Tarqilişi (sémvoli): At Kts AT Ba BG B-H Bs BY CN CZ GR HU HV JP KG KP Kw MK Mkk Mn MN Om Or Pw RO RU Sb SK So Sp Sr SS TR Tt UA YU Fauna rayonining éliminti (sémvoli): 132 12c

### **Leptidea sinapis (Linnaeus,1758)**

*Papilio sinapis* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 468. Type(s): [Europe]. Menidaş isimler: *sinapis* Linnaeus,1758; *candidus* Retzius,1783; *erysimi* Borkhausen,1788; *lathyrus* Hübner,[1819]; *loti* Rennie,1832; *umbratica* Trimoulet,1858; *sartha* Rühl,1893; *stabiatarum* Stauder,1914;

<sup>3</sup> Kostrowicki P. *alexanor*'ni Ğerbi Asiyé éliminti "142 24a" süpitide qobul qilğan. Eger türning pütün tarqiliş rayonini étivargha alsaq (Ğerbi Asiyedin tartip Ottura Asiyegiche), P. *alexanor* "Submeridional European-Turanian 132 21b" éliminti süpitide qobul qilinişi kérek.

*nigrescens* Verity,1919; *patunae* Stauder,1922; *lathyricana* Verity,1952. Tarqilişi (sémvoli): Aa AL At AT Aty Ba BE BG B-H Bs BY Cb CH CN Co Cr CZ DE Dj DK EE ES FI FR GB GR HU HV IE IT Kb Kg KG Kr Ku Kw LT LU LV MK Mn NL No NO Om Or PL Pp Pt Pw RO RU Sa Sb SE Sem Si SK Sm So Sp Sr SS Teb Tk To TR T-S Tt Ty UA Ui Uk VI YU Cw Dv Smt H-W Sur Ssx SY Mt Ko Vrn Bgz Slv Sjl Trb Mst LB Kts DsA TrA Ket Sau Tar Fauna rayonining éliminti (sémvoli): 132 21a

### **Anthocharis cardamines (Linnaeus,1758)**

*Papilio cardamines* Linnaeus,1758, Syst. Nat. (Edn.10)1: 468. Type(s):[Europe]. Menidas isimler: *cardamines* Linnaeus,1758; *hesperides* Newman,1894; *britannica* Verity,1908; *meridionalis* Verity,1908 nec Lederer,1852; *montivaga* Turati & Verity,1911 Tarqilişi (sémvoli): Aa AL AM At AT Ba BE BG B-H Bs BY CH CN Co CY CZ DE Dj DK EE ES FI FR GB GR HU HV IE IL IQ IR IT Kb KG KK Kr Ku LB Le LT LU LV MK Mn NL NO Or PL PT Pw RO RU Sa SE Sem Si Sj SK Sm Sms So Sp Sr SS SY Teb Tk TM To TR TrA T-S Tt Ty UA Ui Uk VI YU Cw Dv Smt H-W Sur Ssx Ken Mt Ko Sof Ril Rg Rtc Mkl Trb Ti Kts Fauna rayonining éliminti (sémvoli): 132 11b

### **Aporia (Metaporia (Turanoporia)) leucodice (Eversmann,1843) <sup>4</sup>**

*Pontia leucodice* Eversmann,1843, Bull. Soc. Nat. Moscou 3: 541, pl.7 figs.2a,b. Syntypes: [Kazakhstan]: Noor-Saisan, Tarbagatai. Menidas isimler: *leucodice* Eversmann,1843; *altensis* Heyne,1895 Tarqilişi (sémvoli): AF Ax Bl Bog CN Dj DsA Fe Hk Hr IR KG KK Ktm KuA Mn PK Sau Sem Sp Tar TeA Tk TrA T-S Tu Z-G Fauna rayonining éliminti (sémvoli): 142 3

### **Aporia (s.str.) crataegi (Linnaeus,1758) <sup>5</sup>**

*Papilio crataegi* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 467. Type(s): [Europe]. Menidas isimler: *crataegi* Linnaeus,1758; *nigronervosus* Retzius,1783; *hyalina* Röber,1907; *minor* Verity,1907; *basanius* Fruhstorfer,1910; *meridionalis* Verity,1911 nec Heyne,1895. Tarqilişi (sémvoli): Ae AF AL AM Ao At AT AZ Ba BE BG B-H Bs BY Cb CH CN CY CZ DE DK DZ EE ES FI FR GG Gn GR HU HV IL IQ IR IT JP Kg KG KK KP Kr Krl LB LT LU LV MA MK MN NL No NO Om Or PL Pm PT Rd RO RU Sb SE Si Sj SK Sm So Sr SS SY Sz Ti TJ TM To TR Ts Tt UA Ui Uk VI Tm Aq Ax Bog Dg DsA DsA Ka Kt Ktm KuA Kw Mn Pp Pw Rk Sp Syr Tar TeA Tk TrA Ze Mt Ko Sjl Sof Ril Slv Rtc Rg Vrn Beo JO Ktn Fauna rayonining éliminti (sémvoli): 131 1b

### **Euchloe (s.str.) ausonia (Hübner,[1804])**

*Papilio ausonia* Hübner,[1804], Samml. eur. Schmett. 1: pl.113, figs.582-583; 64-65. Syntypes:Italien. Menidas isimler: *ausonia* Hübner,[1804]; *marchandae* Geyer,[1832]. Tarqilişi (sémvoli): Aa AF AL AM Ao At AZ Ba BE BG B-H Bs BY CH Cm CN Co Cr FR GG GR HV IL IQ IR IT JO KG Kp Ku Ky LB LY MK Mn Or Rd RO RU Si Sm Sp Sr SS SY Tk Tm TM TR T-S UA Ui Uk YU Mt Ko Slv Skp Vrn Rg Rtc Fauna rayonining éliminti (sémvoli): 142 22a

### **Euchloe (s.str.) creusa (Doubleday & Hewitson,1847)**

*Anthocharis creusa* Doubleday & Hewitson,1847, Gen. diurn. Lepid. 1: pl.7, fig.1. Type(s): [U.S.A.]: Rocky Mountains. Menidas isimler: *creusa* Doubleday & Hewitson,1847 Tarqilişi (sémvoli): Als Am At Kts Jk KG Ktm Mgd Mn Mrk Nym RU Sau Sb Sj Sp Tai Tch Tv Us US Fauna rayonining éliminti (sémvoli): 121 2\*

### **Euchloe (s.str.) naina Kozhantshikov,1923**

*Euchloe belia* ssp. *naina* Kozhantshikov,1923, Jb. Staatsmus. Minussinsk 1: 3. Type(s): Russia: Sajan Gebirge bei Minussinsk. Menidas isimler: *naina* Kozhantshikov,1923 Tarqilişi (sémvoli): Am At KG Kmt Mn RU Sb Sj Tch Ya DsA Fauna rayonining éliminti (sémvoli): 132 24a\*

### **Microzebris pyrothoe (Eversmann,1832)**

*Pontia pyrothoe* Eversmann,1832, Mém. Soc. nat. Mosc. 8 (Nouv.Mém. 2): 352, pl.20, figs.3,4. Syntypes: [N. W. Kazakhstan]: Indersk. Menidas isimler: *pyrothoe* Eversmann,1832 Tarqilişi (sémvoli): Aa At CN KG Krn Ktm Ku Rpt RU Sau Sr TM T-S Ui Uk UZ Fe Il Mg Syr Fauna rayonining éliminti (sémvoli): 142 31

### **Pieris (Artogeia) banghaasi Sheljuzhko,1910**

*Pieris napi* var. *banghaasi* Sheljuzhko,1910, Revue russk. Ent. 9: 385. Syntypes: [Kazakhstan]: Tianschan, Naryn. Menidas isimler: *#narina* Verity,1908 [infrasubspecific name]; *banghaasi* Sheljuzhko,1910. Tarqilişi (sémvoli): T-S KG Nrk Fauna rayonining éliminti (sémvoli): 142 33\*

### **Pieris (Artogeia) bryoniae (Hübner,[1804])**

<sup>4</sup> *Turanoporia* sect.n. Type-species: *Pontia leucodice* Ev.,1843. Tesviri: Arqa qanatning üst yuzining sirt girvigi o'chuq ranglik, bu qisimni éniqe késip ótken tomurlar aq ve yaki inçike siziq shklide qara ranglik qasraqlar bilen qaplang'an. Arqa qanatning asti yuzi saçuç, diskal siziq sagitat, az köp tereqqi qilgan. Bu séksiyonğa *leucodice* Ev., *soracta* Moore, *nabellica* Bsd. qatarliq türler kiridu. *Metaporia*, *Turanoporia*'din arqa qanatning üst yuzidiki sirt qisimining pütünley koyuq rengdiki qasraqlar ve tomurlarning axiridiki bizeklerning bir bisi bilen birlisip ketkenligi arqiliq periqlinidu.

<sup>5</sup> Ssp. *tianschanica* Rühl, 1893 eslide *Aporia hippia* Bremer türining kencitürü süpitide orginal maqalida Tengri Tagliridin isimlendirülgen bolup, Seitz (1908) bu taksonni *Aporia hippia thibetana*'ning sinonimi (menidas ismi) süpitide teklipl qilgan. Tusov (1997) ve Lehmann (2000) bolsa, *tianschanica*'ni *Aporia crataegi*'ning kencitürü süpitide bekitken. Rühl'ning orginal evrişkilirining qeyerde ikenliki melum bolmiganliqtin *tianschanica*'ning *hippia*'gimu yaki *crataegi*'gimu ait ikenlikini bekitiş mümkin emes. Xunga bu taksonomiyelik meslini yéşiş meqsidi bilen *tianschanica* Rühl üçün bir neotip tallap çiqildi. Neotipning toplinişi bilen munasivetlik melumatlar ve neotip mevcut kolleksiyon tövende berilidu. Neotip ♀ Kazakhstan: Alexander Mts. Merke 15km S, 1100m 17 07 1999 M.Kemal & A.Koçak leg. (in coll.Cesa).

*Papilio bryoniae* Hübner,[1804], Samml. eur. Schmett. 1: 62, pl.81, fig.407. Menidaş isimler: *bryoniae* Hübner,[1804]; *neobryoniae* Miller,1933; *wolfsbergeri* Eitschberger,[1984]; *debrosi* Eitschberger,[1984] (cf. Leraut,1997). Tarqilişi (sémvoli): At AT BG BY CH CZ DE DsA FR HU HV IT Kb KG PL RO RU Sau SK SS Tar Teb TR UA Fauna rayonining éliminti (sémvoli): 132 22c

### **Pieris (Artogeia) canidia (Sparrman,1768)**

*Papilio canidia* Sparrman,1768, Amoen. Acad. 7: 504, note m. Type(s): Regio Indica. Menidaş isimler: *canidia* Sparrman,1768 Tarqilişi (sémvoli): AF Ahw CN Feg Fkn Gg Gn Haz HK Hk Hn Hnn Hpe Hph Hun IMn IN Jn Kab KG Kgs Kig KK KP Kst Kwa Kwt KwT Ld Lng Mc NHu Nu Pag Phn PK Pm SG She Shs SI Stg Sz Ti Tkg Ton TW Ug Ui VN Yu RU Vv Fauna rayonining éliminti (sémvoli): 322 1

### **Pieris (Artogeia) euorientis Verity,[1908]**

*Pieris napi* ssp. *euorientis* Verity,[1908], *Rhopalocera Palaearctica*: 147, Pl.32 fig.44, Pl.49 fig.12. Syntypes ♂♂: [Russia]: Sajan: Muorku. Menidaş isimler: *euorientis* Verity,[1908] Tarqilişi (sémvoli): DsA KG MN RU Sj Fauna rayonining éliminti (sémvoli): 132 24a\*

### **Pieris (Artogeia) krueperi Staudinger,1860**

*Pieris krueperi* Staudinger,1860, Wien. ent. Monatschr. 4: 19-20. Syntypes ♂♀: "Graecia": Arkanania. Menidaş isimler: *krueperi* Staudinger,1860 Tarqilişi (sémvoli): AF AL BG Chi GR Ikc IQ IR KG KK Kos Ld MK OM PK SY Syr TeA TR UZ Slv Tm Fauna rayonining éliminti (sémvoli): 142 24a

### **Pieris (Artogeia) napi (Linnaeus,1758)**

*Papilio napi* Linnaeus,1758, Syst. Nat. (Edn. 10)1: 468. Type(s): Schweden (Verity,1913, 1947). Menidaş isimler: *napi* Linn.,1758; *napaeae* Esper,[1804]; *dubiosa* Röber,1907; *napoleon* Eitschb.,1990 Tarqilişi (sémvoli): AL Am At Kts AT Ax Ba BE BG BY CH CN Co CZ DE Dj DK DZ EE ES FI FR GB GR HU IE IS IT TJ KG KK Kr KuA LT LU LV MA MN NL NO PL PT RO RU SE Sem Si Sj SK Sm So Sr Tk TN TrA Ts UA Uk VI YU Cw Dv Smt H-W Sur Ssx Ken Mt Ko Sof Rtc Slv Sjl Trb Mkl Fauna rayonining éliminti (sémvoli): 131 1b

### **Pieris (Artogeia) narina Bollow,1930**

*Pieris napi ochsenheimeri narina* Verity,1908, *Rhopalocera Palaearctica*: 145. Syntypes: [Kirgizistan]: Naryn (proposed as trinomial name by Bollow,1930 [in] Seitz, Die Gross-Schmett. Erde 1 (suppl.): 100) (According to Tuzov and Lukhtanov distinct sp!). Menidaş isimler: *narina* Bollow,1930 Tarqilişi (sémvoli): DsA KG KK TeA Fauna rayonining éliminti (sémvoli): 142 33\*

### **Pieris (Artogeia) rapae (Linnaeus,1758)**

*Papilio rapae* Linnaeus,1758, Syst. Nat. (Edn.10)1: 468. Type(s): [Sweden (Verity,1947)]. Menidaş isimler: *rapae* Linnaeus,1758; *nelo* Bergsträßer,1780; *metra* Stephens,1827; *alpica* Rossi,1929. Tarqilişi (sémvoli): Ae AF AL AT Az BE BG BH B-H BY Ch CH Ci CN Cn Co Cr CY CZ DE DK DZ EE EG ES FI FR GB Gg GR Hk HU HV IE IL IN IQ IR IS IT JO JP KG KK Kp Kw LB Ld LT LU LV MA Mc Md MK MN MT MX Nf Nj NL NO OM PK PL PT QA Rd RO SA Sa SE Si SK SS SY TJ TM TN TR UA US UZ YU Aa Am Ao At Aty Ax Ba Bs Cb Ikc Ir Ka Kg KP Kr KuA Kw Ky Mn No Om Pe Pr Pt Pw RU Sb Sj Sm So Sp Sr St TeA Tk Tm TrA Tt Us VI Cw Dv Smt H-W Sur Ssx Ken Mt Ko Ril Sjl Mst Mkl T-S Um Fauna rayonining éliminti (sémvoli): 131 1b

### **Pieris (s.str.) brassicae (Linnaeus,1758)**

*Papilio brassicae* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 468. Type(s): [Europe]. Menidaş isimler: *brassicae* Linnaeus,1758; *chariclea* Stephens,1827; *#venata* Verity,1908; *cyniphia* Turati,1924. Tarqilişi (sémvoli): Aa AF AL At AT Az Bd BE BG B-H Bs BY Cb CH CN Co Cr CY CZ DE DK EE ER ES FI FR GB GR Hk HU HV IE Ii IL IQ IR IS IT JO Ka Kab Kbb Kg KG KK Kp Kr Kw Ky LB LT LU LV MK MT NL No NO NP Om Pag PK PL PT Pw Rd RO RU Sa Sb SE Si SK So SS Tm TM TR Tt UA Ui UZ YU Aa Ax Ikc KuA Mn Sp Tk TrA Cw Dv Smt H-W Sur Ssx Ken Ko MA DZ TN Sjl Trb Sof Rg Rtc Slv Mt LY Cy SY Kts T-S Um Fauna rayonining éliminti (sémvoli): 142 21

### **Pontia callidice (Hübner,[1800])**

*Papilio callidice* Hübner,[1800], Samml. eur. Schmett. 1:63,pl.81, figs. 408,409. Syntypes: Schweizergebirge. Menidaş isimler: *callidice* Hübner,[1800]; *callidice* Esper,[1803]. Tarqilişi (sémvoli): Aa AF At Kts AT Ax Bv Py F06 F65 BY Ch CH CN DE DsA ES FR Hu IT KG KK KuA Ld Mn PK Pm RU Sau Sp SS Tar TeA TJ Tk TR TrA UA Um Fauna rayonining éliminti (sémvoli): 141 1

### **Pontia chloridice (Hübner,[1813])**

*Papilio chloridice* Hübner,[1813], Samml. eur. Schmett. 1: pl. 141, figs. 712-715. Syntype(s): [Europe]. Menidaş isimler: *russiae* Esper,[1784] *nec russiae* Esper,[1783]; *chloridice* Hübner,[1813]; *#aestuosa* Staudinger,1901; *albidice* Staudinger,1901 *nec Oberthür*,1881. Tarqilişi (sémvoli): AF Ao Aq At Ba BG BY Cb Ci CY Dj DsA FI Gg GR IQ IR Ka Kbb KG KK Kw Ld LT LV MK Mn MN Mrk Om Or PK Pnj Pw Rk RU Sau Sb Sem Sm Sm So Sp Sr Sr Tar TeA Tk Tk TR Tt UA Uk VI Slv Rg Fauna rayonining éliminti (sémvoli): 142 11

### **Pontia edusa (Fabricius,1777)**

*Papilio edusa* Fabricius,1777, Genera Insectorum: 255. Type(s): [Deutschland]: Chilonii. Menidaş isimler: *edusa* Fabricius,1777; *bellidice* Ochsenheimer,1808; *persica* Bienert,1869; *#nitida* Verity,[1908]. Tarqilişi (sémvoli): Aa Ae Aq At Kts Aty Ax BG Bs Cb CN CY DE Dg Dj GG Gj GR IQ IR IT Kg KG KK Kp Kt KuA Ky Mg MK Mn No NrK Om Or Pp Rd Rk RU Sb Sem Sm Sp SS TeA TJ Tk Tm TM TR TrA Ty Ui Uk UZ YU Ze SY Um Fauna rayonining éliminti (sémvoli): 132 21b\*

### **Zegris eupheme (Esper,[1804])**

*Papilio eupheme* Esper,[1804], Die Schmett.(Suppl.) 1(1):105, pl.113, figs.2,3. Syntypes: [Ukraine]: "Gegend Sewastopol in Taurien". Menidaş isimler: *eupheme* Esper,[1804]; *erethoe* Eversmann,1832; *tschudica* Herrich-Schäffer,[1851]. Tarqilişi (sémvoli): AM At AZ CN DsA ES GG IQ IR JO KG Ku MA Mn Nym Rk RU SA Sm Sp Sr TR TrA Ui Uk VI Fauna rayonining éliminti (sémvoli): 142 21

### **Zegris fausti Christoph,1877**

*Zegris fausti* Christoph,1877, *Horae Soc. ent. ross. 12*: 231-232, *Taf.v figs.1,2*. Syntypes: [Turkmenistan]: Krasnowodsk. Menidaş isimler: *fausti* Christoph,1877; *#decolorata* Verity,1908. Tarqilişi (sémvoli): Kpt Aa AF Il KG Krn TJ TM TrA UZ Fauna rayonining éliminti (sémvoli): 142 33

## **COLIADIDAE Swainson,1827 (15 species)**

### **Colias cocandica Erschoff,1874**

*Colias nastes* var. *cocandica* Erschoff,1874, [in] Fedtschenko, *Reise nach Turkestan 2, 5(3) (Lepidoptera): 6, pl.1, fig.3*. Syntypes: Schurowski-Gletscher. Menidaş isimler: *cocandica* Erschoff,1874; *#hybrida* Groum-Grshimailo,1893; *#galba* Groum-Grshimailo,1893; Tarqilişi (sémvoli): AF Bc Bqu CN Gg Gn Hk Hu Kbb KK Kl Ld Ln PK Rth Sda Ti T-S Ui UZ KG TeA KuA TrA Ax Al Fauna rayonining éliminti (sémvoli): 142 35

### **Colias crocea (Fourcroy,1785)**

*Papilio croceus* Fourcroy,1785, *Entomologia Parisiensis: 250*. Type(s): [France]: Paris. Menidaş isimler: *crocea* Fourcroy,1785; *pyrenaica* Groum-Grshimailo,1893. Tarqilişi (sémvoli): AL AM Ao AT AZ Ba BE BG B-H BY CH Co Cr CY CZ DE DK DZ EG ES FI FR GG GR HG HV IQ IR IT Kb Kr LB LT LU LY LV MA MK MT NL NO PL PT Rd RO RU Sa SE Si SK Sm So Sr SS SY Teb TR TN UA VI YU KG Aq Or Uk VI Bs Cb Kt Rk Cw Dv Smt H-W Sur Ssx Ken Mt Sof Ril Cy Rg Rtc Bgz Vrn Slv Sjn Trb Mkl Mst Ko JO He IL Fauna rayonining éliminti (sémvoli): 142 22a

### **Colias erate (Esper,[1805])**

*Papilio erate* Esper,[1805], *Die Schmett. (Suppl.) 1(2): 13, pl.119, fig.3*. Type(s): Russia: Sarepta. Menidaş isimler: *erate* Esper,[1805]; *afghana* O.Bang-Haas,1927. Tarqilişi (sémvoli): AF Anj Ao AT At Att Aty Au Ba Bd BG Bqu BY Ci CN CZ Dj Ga GR Hk HU IR LB Kab Kbb KG KK Ku Ld Nu Pag PK PL Pnj RO RU Sem SK Sm So Sr TJ Tk TM TR T-S UA Ui Uk UZ VI YE YU Ser Gj Or Aq Mg Ky Rk Kt Ka Sp Tk Aa Db Tm TrA KuA TeA Ax Na Nym Ktm MK MD Fauna rayonining éliminti (sémvoli): 221 1

### **Colias erschoffii Alpheraky,1881**

*Colias erschoffii* Alpheraky,1881, *Horae Soc. ent. ross. 16*: 362-265, *Pl.14 figs. 1,2*. Syntypes ♂♀: [China]: Tian-Chian, 4500-7000ft. Menidaş isimler: *erschhoffii* Alpheraky,1881; *tancrei* Austaut,1890; *aurantiaca* Verity,1909; *aurantiacoflava* Verity,1909. Tarqilişi (sémvoli): CN Ii Ju KG KK Ku Sda Tk T-S Ui DsA Ket KuA TrA Tyk Fauna rayonining éliminti (sémvoli): 142 33

### **Colias hyale (Linnaeus,1758)**

*Papilio hyale* Linnaeus,1758, *Syst. Nat. (Edn.10) 1*: 469. Syntypes: Europa, Africa. Menidaş isimler: *hyale* Linnaeus,1758; *#amdensis* Verity,[1911]. Tarqilişi (sémvoli): AL Amd At AT BE BG B-H BY CH CN CZ DE Dj DK EE FI FR GB GG HU HV IT Kb KG KK Kno Kr Ku LT LU LV MK NL PL RO RU SE Sem SK Sm So Sr SS Teb TR Ts T-S UA Ui VI YU Tt Bs Cb Or Uk Aq Kg Sb Ty Ku Pp Ka Ze Sp Mn Tk Aa No To Om Tar Sau DsA Ket TeA KuA TrA Cw Dv Smt H-W Sur Ssx Ken Mt Ko Irk Kts Fauna rayonining éliminti (sémvoli): 132 11d

### **Colias myrmidone (Esper,[1781])**

*Papilio myrmidone* Esper,[1781], *Die Schmett. 1(2): Forts. Tagschmett.: 88, Tab.65, figs.1,2*. Type ♂: Ungarn: Gegend von Tyrnau (MWNS?). Menidaş isimler: *myrmidone* Esper,[1781]. Tarqilişi (sémvoli): AT Ba BY CZ DE HU LT LV PL RO RU SK Sm So Sr Ur Uk Or Bs Cb Tt VI UA VI YU KG SS HV Fauna rayonining éliminti (sémvoli): 132 23c

### **Colias palaeno (Linnaeus,1761)**

*Papilio palaeno* Linnaeus,1761, *Fauna Suecica 2*: 272, nr.1041. Type(s): Suecia. Menidaş isimler: *palaeno* Linnaeus,1761. Tarqilişi (sémvoli): Am At Kts AT Ba BE BY CH CZ DE DK EE FI FR HU IT JP LT LV Mgd NL NO PL Py RO RU Sb SE SK Sm So Sr UA YU Or Bs Tt Kg Sb Om Ty Kn Mn To KG Fauna rayonining éliminti (sémvoli): 121 1

### **Colias poliographus Motschulsky,1860**

*Colias poliographus* Motschulsky,1860, *Etüd. Ent. 9*: 29. Menidaş isimler: *poliographus* Motschulsky,1860. Tarqilişi (sémvoli): AF Ci PK CN MN KP Am RU Us JP ?KG ?Aa Fauna rayonining éliminti (sémvoli): ?<sup>6</sup>

### **Colias romanovi Groum-Grshimailo,1885**

*Colias romanovi* Groum-Grshimailo,1885, [in] Romanoff, *Mém. Lépid. 2*: 229. Syntypes: [Kirgizistan]: Alai. Menidaş isimler: *romanovi* Groum-Grshimailo,1885. Tarqilişi (sémvoli): KG KK Al T-A Tkl Tls Ax TJ Z-G TrA ? Fauna rayonining éliminti (sémvoli): 142 33

### **Colias sareptensis Staudinger,1881<sup>7</sup>**

*Colias hyale* var. *sareptensis* Staudinger,1881, *Stettin ent. Ztg. 42*: 260. Syntypes: Süd-Russland. Menidaş isimler: *#sareptensis* Staudinger,1871; *sareptensis* Staudinger,1881. Tarqilişi (sémvoli): AL AM AT AZ BE BG B-H BY CH Co CZ DE DK ES FR GB GG GR HU HV IR IT KG KK LT LU MK NL PL RO RU SK SS TM TR UA YU Cw Dv Smt H-W Sur Ssx Ken CN Ui Um MN Fauna rayonining éliminti (sémvoli): 132 23a

<sup>6</sup> Tarqilişi bilen munasivetlik melumatlar yéterlik bolmiğanliki üçün, bu maqalida türning qaysu fauna rayoniğa ait élimint ikenligi békililmidi.

<sup>7</sup> *Colias sareptensis* Stgr.,1881 (= *alfacariensis* Ribbe,1905).

### **Colias staudingeri Alpheraky,1881**

*Colias staudingeri* Alpheraky,1881, *Horae Soc. ent. ross.* 16: 368-373, Taf. 14, figs. 3,4. Syntypes ♂♀: [China]: Kouldja. Menidaş isimler: *staudingeri* Alpheraky,1881; *alexandrina* Verity,1909. Tarqilişi (sémvoli): Aa Au Ax CN Ju KG KK Kl Ku Pm Sda TJ Tk T-S Ui Nrk TeA KuA TrA Fauna rayonining éliminti (sémvoli): 142 33

### **Colias thisoa Ménéttriés,1832**

*Colias thisoa* Ménéttriés,1832, *Cat. Raisson. Zool. Cauc.:* 244. Type(s): [Russia]: *Kaukasus Dagestan: Schach Dag.* Menidaş isimler: *thisoa* Ménéttriés,1832; *helenia* Herrich-Schäffer,[1844]; *eos* Herrich-Schäffer,[1848]; *#ludmilla* Schulte,1989. Tarqilişi (sémvoli): AM At AZ CN Da GG IR Mz Shh Kb KG KK Kl Kzb Pm RU Sda Shh Teb TJ Tk TR T-S Ui Um Al T-A Irt KuA TeA TrA DsA Tar Sau Ktm Klb Fauna rayonining éliminti (sémvoli): 142 33

### **Colias tyche (Boeber,1812)**

*Papilio tyche* Boeber,1812, *Mém. Soc. nat. Moscou* 3: 21, Pl. 1 figs. 3,4. Type(s): Russia: "Sibérie" [Baikal]. Menidaş isimler: *tyche* Boeber,1812; *melinos* Eversmann,1847; *chloe* Eversmann,1847. Tarqilişi (sémvoli): At Kts Aty CN Ir KG MN RU Sb Ui Fauna rayonining éliminti (sémvoli): 142 35

### **Colias wiskotti Staudinger,1882**

*Colias wiskotti* Staudinger,1882, *Berl. ent. Z.* 26(1): 166-168, Taf.2 figs.9,10. Syntypes: [Tadjikistan]: *Alai-Gebirge*; [Uzbekistan]: *Hazret-Sultan-Gebirge*. Menidaş isimler: *wiskotti* Staudinger,1882. Tarqilişi (sémvoli): PK Ci AF Al Hk H-S TJ UZ Pm KK Ik Ax Kbb KG Tls Fauna rayonining éliminti (sémvoli): 142 33

### **Gonepteryx (s.str.) rhamni (Linnaeus,1758)**

*Papilio rhamni* Linnaeus,1758, *Syst. Nat. (Edn.10)* 1: 470. Syntypes: Europe, Africa. Menidaş isimler: *rhamni* Linnaeus,1758; *gravesi* Huggins,1956. Tarqilişi (sémvoli): AL AM Asr AT At AZ Ba BE BG B-H BI BY CH Cls CN Co CZ DE DK DZ ES FI FR GB Gg GG GR HU HV IE IN IQ IR IT Kb KG KK Kp Kr Ku LB Ld LT LU LV MA MK NL NO NP Nwf PK PL PT RO RU Rw Sa SE Si SK Sm So Sr SS SY Sz Teb TJ TM TN TR T-S UA Uk UZ VI YU YU Zi Gj Aq Tk Aa Sp Mn At No To Om Ty Kg Cb Kw Pw Ka Sb Tt So Sau Tar DsA TrA Cw Dv Smt H-W Sur Ssx Ken Mt Ko Sof Rtc Slv Bgz Sjn Trb LB Kts Fauna rayonining éliminti (sémvoli): 132 11a

### **LIBYTHEIDAE (1 species)**

#### **Libythea celtis (Laicharting,1782)**

*Papilio celtis* Laicharting,1782, [in] *Fuessly, Arch Insektengesch.* (2) (4): 1, pl.8 figs.1-3. Type(s): S.Tirol: Bolzano. Menidaş isimler: *celtis* Laicharting,1782. Tarqilişi (sémvoli): AL AT BG B-H Bw BY CH Cr CY DZ ES FR GR HU HV IQ IT Kp MK PK Ci Nwf PT RO RU Sa Si SK SS TM TR UA YU TrA Ax Tls KG CN TW JP KP KR Fauna rayonining éliminti (sémvoli): 142 12

### **DANAIDAE (1 species)**

#### **Danaus (Anosia) chrysippus (Linnaeus,1758)**

*Papilio chrysippus* Linnaeus,1758, *Syst. Nat. (Ed.10)* 1: 471. Syntypes: Aegypto, America. Menidaş isimler: *chrysippus* Linnaeus,1758. Tarqilişi (sémvoli): AC Ad AF AL AO As AU BF BH BI BJ BW BZ CF CG CI CM Cr CY Dh DJ DZ EG EH ER ES ET FP GA GH GM GN GO GR GW Hd Hj ID IL IN IQ IR IT JO KE KG KW LB LR LS LY MA ML MR MT Mu MW MZ NA NE Nf NG Nj PK QA RW SA Sa SD SL SN SO ST SY SZ TD TG TM TN TR TZ UG ZA ZM. Fauna rayonining éliminti (sémvoli): 211 1

### **ARGYNNIDAE (67 species)**

#### **Limnitis camilla (Linnaeus,1764)**

*Papilio camilla* Linnaeus,1764, *Museum Ludovicae Ulricaе*: 304. Type(s): Germania. Menidaş isimler: *camilla* Linnaeus,1764; *prorsa* Linnaeus,1764 nec Linnaeus,1758; *sibilla* Linnaeus,1769; *luctuosus* Fourcroy,1785 nec Walch,1775. Tarqilişi (sémvoli): AT Ba BE BG BY CH CZ DE DK EE ES FR GB GR HU IT KG Kr LT LU LV MK NL PL RO RU SE SK Sm So Sr TR UA Uk VI YU Cw Dv Smt H-W Sur Ssx Ken Fauna rayonining éliminti (sémvoli): 132 12b

#### **Limnitis helmanni Lederer,1853**

*Lymanitis helmanni* Lederer,1853, *Verh. zool.- bot. Ver. Wien* 3: 356, Taf.1 fig.4. Syntypes: Russia: *Altai (Ustbuchtarminsk an der Mündung des Fl. Buchtarma)*. Menidaş isimler: *helmanni* Lederer,1853. Tarqilişi (sémvoli): At RU Sb KG Buc TrA Ket Tar DsA Aa Tk Mn Sau Sp Fauna rayonining éliminti (sémvoli): 132 32b

#### **Limnitis populi (Linnaeus,1758)**

*Papilio populi* Linnaeus,1758, *Syst. Nat. (Edn.10)* 1: 476. Type(s): [Sweden (Verity,1950)]. Menidaş isimler: *populi* Linnaeus,1758; *semiramis* Schrank,1801; *tremulae* Esper,1804 nec Piller & Mitterpacher,1783. Tarqilişi (sémvoli): AL AT Ba BE BG BY CH CZ DE DK EE FI FR GR HU IT KG LT LU LV MK NL NO PL RO RU SE SK Sm So Sr UA Uk VI YU Pe So Tt Bs Cb Or Uk Sb Kw Ty Om To No At Mn KG Sp MN NAt CAAt WAt SAt Kuz Trt Kts Buc Sli Fauna rayonining éliminti (sémvoli): 132 11b

#### **Limnitis sydyi Lederer,1853**

*Limnitis sydyi Lederer, 1853, Verh. zool.-bot. Ver. Wien 3: 357, Taf. 1 fig. 3. Syntypes: [Kazachstan]: Ustbuchtarminsk an der Mündung des Flusses Buchtarma. Menidas isimler: sydyi Lederer, 1853 Tarqilişi (sémvoli): At RU KG Buc Sp Mn Nym Fauna rayonining eliminti (sémvoli): 132 32a*

### **Apatura ilia ([Denis & Schiffermüller], 1775)**

*Papilio ilia [Denis & Schiffermüller], 1775, Ankündigung syst. Werkes Schmett. Wienergegend: 172. Type(s): [Austria]: Vienna district. Menidas isimler: ilia [Denis & Schiffermüller], 1775; clytie [Denis & Schiffermüller], 1775; luteus Esper, 1777; roeselii Bergsträßer, 1779; vulgaris Bergsträßer, 1779; rubescens Esper, 1781; eos Rossi, 1794; julia Schrank, 1801; astasia Hübner, 1826; heos Meigen, 1828, etc. Tarqilişi (sémvoli): Ao AT Ba BE BY CH CZ DE EE ES FR GR HU IT KG LT LU LV MK NL PL PT RU SK Sm So Sr TR UA Uk VI YU LAT Wn Fauna rayonining eliminti (sémvoli): 132 12b*

### **Apatura metis Freyer, 1829**

*Apatura metis Freyer, 1829, Beitr. Gesch. eur. Schmett. 2: 67, Tab. 67, fig. 1. Syntypes: Ungarn: Pecs (Fünfkirschen). Menidas isimler: metis Freyer, 1829 Tarqilişi (sémvoli): At BG BY GR HU RO RU Sm So Sp Sr TR UA VI YU Sb KR KP JP Am Us CN Mc Om KG Pw Ao Fauna rayonining eliminti (sémvoli): 132 12c*

### **Araschnia levana (Linnaeus, 1758)**

*Papilio levana Linnaeus, 1758, Syst. Nat. (Edn. 10) 1: 480. Type(s): Europae australioris. Menidas isimler: levana Linnaeus, 1758; prorsa Linnaeus, 1758. Tarqilişi (sémvoli): At AT Ba BE BG BY CH CZ DE DK EE ES FI FR GB GR HU IT KG Kr LT LU LV NL PL RO RU SE SK Sm So Sr TR UA Uk VI YU Kts Fauna rayonining eliminti (sémvoli): 132 12b*

### **Nymphalis antiopa (Linnaeus, 1758)**

*Papilio antiopa Linnaeus, 1758, Syst. Nat. (Edn. 10) 1: 476. Type(s): America. Menidas isimler: antiopa Linnaeus, 1758; pompadour Pollich, 1783; morio Retzius, 1783; borealis Wnukowsky, 1927. Tarqilişi (sémvoli): AL AM At AT AZ Ba BE BG B-H BY CH CN CZ DE Dj DK EE ES FI FR GB GG GR HU HV IE IS IT KG Ku LT LU LV MK NL NO PL PT RO RU SE Sem SK Sm So Sr SS Tk TR UA Ui Uk VI YU Ken Sau Tar DsA TeA KuA TrA Ket Fauna rayonining eliminti (sémvoli): 131 1b*

### **Nymphalis polychloros (Linnaeus, 1758)**

*Papilio polychloros Linnaeus, 1758, Syst. Nat. (Edn. 10) 1: 477. Type(s): [Sweden (Verity, 1950)]. Menidas isimler: polychloros Linnaeus, 1758; testudo Esper, 1781; pyrrhomelaena Hübner, 1824; pyromelas Freyer, 1834; fervida Standfuss, 1896. Tarqilişi (sémvoli): Ae AL AM Ao At AT AZ Ba BE BG B-H BY CH CN CZ DE DK EE ES FI FR GB GG GR HU HV IE IQ IR IT KG Kp Kr LB LT LU LV MA MK MT NO PL PT Rd RO RU Sa SE Si SK Sm So Sr SS TM TN TR UA Uk VI YU Sur Ssx Ken LB SY Fauna rayonining eliminti (sémvoli): 132 21b*

### **Nymphalis xanthomelas (Esper, [1781])**

*Papilio xanthomelas Esper, [1781], Die Schmett. 1(2): 77, pl. 63, fig. 4. Type(s): Wien. Menidas isimler: #xanthomelas [Denis & Schiffermüller], 1775; xanthomelas Esper, [1781] Tarqilişi (sémvoli): AF AL AM At AT AZ Ba BG B-H BY Ch CN Cr CZ Dj DK EE FI FR GB GG GR HU HV IR JP Kab Kbb KG Kr LT LV MK Pag PL Pnj RO RU SE Sem SK Sm So Sr SS Tk TR UA Uk YU Tm Ui Um Sau Tar DsA Ax TrA KuA Fauna rayonining eliminti (sémvoli): 132 11b*

### **Aglais urticae (Linnaeus, 1758)**

*Papilio urticae Linnaeus, 1758, Syst. Nat. (Edn. 10) 1: 477. Type(s): [Sweden (Verity, 1950)]. Menidas isimler: urticae Linnaeus, 1758; opima Verity, 1919; variegata Querci, 1932; strandi Verity, 1936. Tarqilişi (sémvoli): AL At Kts AT Ba BE BG BY CH CN Co CZ DE Dj DK EE ES FI FR GB GR HU IE Ii IS IT KG LB LT LU LV MK MN NL NO PL PT RO RU Sa SE Sem Si Si SK Sm So Sr Ti Tk TR T-S UA Ui Uk VI YU Cw Dv Smt H-W Sur Ssx Ken Sr So Tt Sb Cb Kg Or Uk Aq Rk Kt Pp Kw Ty Om Pw No To Kuz Sli At Mn Sp Tk As Tm Db Buc Ssn Tar Sau DsA TrA Ax KuA TeA Um Ku Fauna rayonining eliminti (sémvoli): 132 11b*

### **Inachis io (Linnaeus, 1758)**

*Papilio io Linnaeus, 1758, Syst. Nat. (Edn. 10) 1: 472. Type(s): [Sweden (Verity, 1950)]. Menidas isimler: io Linnaeus, 1758; ioides Ochsenheimer, 1808; caucasica Jachontov, 1911. Tarqilişi (sémvoli): Sms AL AM At AT AZ Ba BE BG B-H BY CH CN Co Cr CZ DE Dj DK EE ES FI FR GB GG GR HU HV IE IS IT KG KK Kr LT LU LV MK MT NL NO PL PT RO RU Sa SE Sem Si SK Sm So Sr SS Tk TR T-S UA Ui Uk VI YU Cw Dv Smt H-W Sur Ssx Ken Sau Tar DsA TeA KuA TrA Ket Fauna rayonining eliminti (sémvoli): 132 12a*

### **Vanessa atalanta (Linnaeus, 1758)**

*Papilio atalanta Linnaeus, 1758, Syst. Nat. (Edn. 10) 1: 478. Type(s): [Sweden (Verity, 1950)]. Menidas isimler: atalanta Linnaeus, 1758; amiralis Retzius, 1783; #klemensiewiczzi Schille, 1896; #klime Fische, 1896; italica Stichel, 1900. Tarqilişi (sémvoli): Ae AL Ao At AT Az Ba BE BG B-H BY CH CN Co Cr CZ DE DK EE ES FI FR GB GR HU HV IE IQ IR IS IT JO KG Kp Kr LB LT LU LV MA MK MT MX NL NO PL PT Rd RO RU Sa SE Si SK Sm So Sr SS TM TN TR T-S UA Ui Uk US VI YU Cw Dv Smt H-W Sur Ssx Ken Fauna rayonining eliminti (sémvoli): 142 21*

### **Cynthia cardui (Linnaeus, 1758)**

*Papilio cardui Linnaeus, 1758, Syst. Nat. (Edn. 10) 1: 475. Syntypes: Europa, Africa [Sweden (Verity, 1950)]. Menidas isimler: cardui Linnaeus, 1758; carduelis Cramer, 1775; elymi Rambur, 1829; kershawi McCoy, 1868; universa Verity, 1919; takesakiana Kato, 1925. Tarqilişi (sémvoli): Ad Ae AF AL As At AT Az BE BG BH BY Ch CH CN Co Cr CY CZ DE Dh DK EE ES FI FR GB GR Hd Hj HU IE IL IN IQ IR IS IT JO KG KK KW LB LT LU LV MN Mt Mu Nf Nj NL NO PH PK PL PT QA Rd RO RU SA Sa SE Si Si SK SY Ti TJ TM TR T-S UA Ui UZ YE YU SS HV B-H MK Mt AC AO BF BI BJ BW BZ CF CG CI CM Cn Dj Dz EG EH ER ET FP GA GH GM GN GO GW KE KM LR LS LY MA MG ML MR MW MZ NA NE NG RW SC SD Sem SL SN SO ST SZ TD TG Tk*

TN TZ UG ZA ZM ZR ZW Cw Dv Smt H-W Sur Ssx Ken Cy LY Kts Tm T-S Um Sau Tar DsA TeA KuA TrA Ket Fauna rayonining éliminti (sémvoli): 211 1

### **Polygonia c-album (Linnaeus,1758)**

*Papilio c-album* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 477. Type(s): [Sweden (Verity,1950)]. Menidas isimler: *c-album* Linnaeus,1758; *g-album* Fourcroy,1785. Tarqilişi (sémvoli): AF AL At Kts AT Ba BE BG BY CH CN Co CZ DE DK EE ES FI FR GB GR HU IT KG Kr LB IQ LT LU LV DZ MA TN MN NL NO PL PT RO RU Sa SE SI Si SK Sm So Sr Ti TR T-S UA Ui Uk VI YU Cw Dv Smt H-W Sur Ssx Ken Fauna rayonining éliminti (sémvoli): 131 1b

### **Polygonia interposita Staudinger,1881**

*Polygonia c-album* var. *interposita* Staudinger,1881, Stettin ent. Ztg. 42: 286. Syntypes: [Kasachstan]: [Dschungarischer Alatau]: Lepsa. Menidas isimler: *interposita* Staudinger,1881 Tarqilişi (sémvoli): Dj KG Sem Tk SI DsA Lps Sau Tar Fauna rayonining éliminti (sémvoli): 142 33\*

### **Polygonia undina (Groum-Grshimailo,1890)**

*Vanessa undina* Groum-Grshimailo,1890, [in] Romanoff, Mém. lépid. 4: 424, pl.17 fig.1. Syntypes: [Kirghizistan]: Oche [Osch]. Menidas isimler: *undina* Groum-Grshimailo,1890; *interposita auctorum* Tarqilişi (sémvoli): AF Ch KG KK Nu PK TJ CN Ui Um Osh DsA Ax TrA KuA Fauna rayonining éliminti (sémvoli): 142 31\*

### **Neptis rivularis (Scopoli,1763)<sup>8</sup>**

*Papilio rivularis* Scopoli,1763, Entomologia Carniolica:165. Type(s): [Slovenien]: Carniola [Krain]; Graz(Austria) (Higgins & Riley,1970:83). Menidas isimler: *rivularis* Scopoli,1763; *lucilla* Denis & Schiff,1775; *coenobita* Cramer,1780. Tarqilişi (sémvoli): Aa Am At Kts AT Aty Ba BG BY CH CN CZ GR HU Ir IT JP KG Kmt KP KR MK MN PL RO RU Sb Sh SK Sm So Sr TR TW UA Ui Uk VI Vv YU Tar Sau DsA Ket Bog Sju TeA KuA TrA Ax Fauna rayonining éliminti (sémvoli): 132 11c

### **Neptis sappho (Pallas,1771)**

*Papilio sappho* Pallas,1771, Reise versch. Prov. russ. Reiches 1: 471. Type(s): Russia: Wolga. Menidas isimler: *sappho* Pallas,1771; *aceris* Lepechin,1771; *aceris* Esper,[1783]. Tarqilişi (sémvoli): Am At AT Ba BG BY CN CZ GR HU IN IT JP KG KP MK MM PK PL RO RU Sb SK Sm So Sr SS TH Ti TW UA VI VN Vv YU Fauna rayonining éliminti (sémvoli): 132 11b

### **Argynnis (Argyronome) laodice (Pallas,1771)**

*Papilio laodice* Pallas,1771, Reise verschied. Prov. russ. Reiches 1: 470. Type(s): Russia: Südrussland. Menidas isimler: *laodice* Pallas,1771 Tarqilişi (sémvoli): Aq Ba BY Ce CN DE DK EE FI HU IN JP KG LV PL RO RU Sb SE SK Sm Sr UA Uk Ur Or Sr Tt Am Vv Fauna rayonining éliminti (sémvoli): 222 1

### **Argynnis (Fabriciana) niobe (Linnaeus,1758)**

*Papilio niobe* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 481. Type(s): [Sweden (Verity,1950)]. Menidas isimler: *niobe* Linnaeus,1758; *cleodoxa* Esper,1789; *eris* Meigen,1828; *appenninica* Verity,1914, etc. Tarqilişi (sémvoli): AL Am At Kts AT Aty Ba BE BG BY CH CN CZ DE DK EE ES FI FR GR HU Ir IT KG KK Kp Kr LB LT LU LV MK MN NL NO PL PT RO RU Sb SE Si SK Sm So Sr Sz TM TR UA Ui Uk VI YU Sau Tar DsA TrA KuA Ax Ket Fauna rayonining éliminti (sémvoli): 132 21b

### **Argynnis (Pandoriana) pandora ([Denis & Schiffermüller],1775)**

*Papilio pandora* [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 176. Type(s): Austria: Vienna district. Menidas isimler: *pandora* [Denis & Schiffermüller],1775; *maja* Cramer,1775 nec Fabricius,1775; *cyrnea* Schwerda,1926. Tarqilişi (sémvoli): Ae AL AM At AT AZ BG B-H BY CH CN Cn Co Cr CZ DE DZ EE ES Fe FR GG GR HU HV IR IT LB Kr MA MK PL PT RO RU Sa Si SK Sr SS TM TN TR T-S UA Ui UZ VI YU Z-G LAT Wn SY Aq Uk KG Nym Buc Ktm Sau Tar DsA Ket Bog Tu TeA KuA TrA Tm Ax KK Um Fauna rayonining éliminti (sémvoli): 142 21

### **Argynnis (Speyeria) aglaja (Linnaeus,1758)**

*Papilio aglaja* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 481. Type(s): [Sweden (Verity,1950)]. Menidas isimler: *aglaja* Linnaeus,1758; *charlotta* Haworth,1802; *emilia* Acerbi,1802 nec Cramer,1779; *caroletta* Jermyn,1827; *locuples* Verity,1919 nec Butler,1879; *emilocuples* Verity,1919; *locupletata* Verity,1922; *montesignum* Sagarra,1926. Tarqilişi (sémvoli): AL At Kts AT Aty Ba BE BG BY CH CN CZ DE DK EE ES FI FR GB GR HU IE IT Ju KG KK LT LU LV MK MN NL NO PL PT RO RU SE Si SK Sm So Sr St TR T-S UA Ui Uk VI YU Cw Dv Smt H-W Sur Ssx Ken Sau Tar DsA TrA KuA Ax Fauna rayonining éliminti (sémvoli): 132 11a

### **Argynnis (Speyeria) vitatha Moore,1874**

*Argynnis vitatha* Moore,1874, Proc. zool. Soc. Lond. 1874: 568. Syntypes: Cashmere, N. side of Rajdiangan and Gurais. Menidas isimler: *vitatha* Moore,1874; *gigasvitatha* Verity,1935; *subvitatha* Verity,1935. Tarqilişi (sémvoli): Au Ch CN Gs KK Kl Ld Pm Sda Ui Ik KG TrA Aa KuA Fauna rayonining éliminti (sémvoli): 142 33

### **Argynnis (s.str.) paphia (Linnaeus,1758)**

*Papilio paphia* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 481. Type(s): [Sweden (Verity,1950)]. Menidas isimler: *paphia* Linnaeus,1758; *valesina* Esper,[1798]; *magnata* Verity,1919; *revelata* Verity,1934; *magnifica* Verity,1919; *magnificamagnata* Verity,1950. Tarqilişi (sémvoli): Ae AL Am At Kts AT Ba BE BG B-H BY CH CN Co CZ DE DK EE ES FI FR GB GR HU HV IE Ir IT JP Kb Kc KG KK KP Kr LT LU

<sup>8</sup> *Neptis rivularis f. tolunay (f.n.)* Bu formning qanatlarining üst yūzi qarakök rengde bolup, aldi qanatning distal qismida tolunay shklide aq renglik bir dağ bilen alahidilik qazanmaqta. Bundin başqa aq rengler yoqalğan. Holotyp ♂, Qazaqistan. Trans-İli Alatau, 1900m, 29.8.1999, M. Kemal leg. (in coll. Cesa).

LV MK MA MN Mn NL NO Or PL PT RO RU Sa Sb SE Sh Si SK Sm So Sp Sr SS TR T-S UA Ui Uk VI Ya YU Cw Dv Smt H-W  
Sur Ssx SY Kuz Sli Tar Ket DsA KuA TrA Fauna rayonining éliminti (sémvoli): 132 11a

### **Boloria (Clossiana) dia (Linnaeus,1767)**

*Papilio dia* Linnaeus,1767, Syst. Nat. (Edn.12) 1(2): 785. Type(s): Austria. Menidas isimler: *dia* Linnaeus,1767; *alpina* Elwes,1899; *diniensis* Fruhstorfer,1909; *leonina* Fruhstorfer,1909; *laetior* Verity,1919. Tarqilişi (sémvoli): AL At Kts AT Ba BE BG BY Cb CH CZ DE EE ES FR GR HU IT KG Kg Kr Kw LT LU LV MK Mn NL No Om Or PL Pp Pw RO RU Sem SK Sm So Sp Sr Tk TR Tt Bs Ty UA Uk VI YU DsA Sau Ket Tar Fauna rayonining éliminti (sémvoli): 131 2a

### **Boloria (Clossiana) euphrosyne (Linnaeus,1758)**

*Papilio euphrosyne* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 481. Syntypes: Europe, N. America; [Sweden (Verity,1950)]. Menidas isimler: *euphrosyne* Linnaeus,1758; *argenticollis* Retzius,1783; *figal* Herbst,1800; *densoi* Fruhstorfer,1909; *apennina* Fruhstorfer,1916; *cynosoma* Fruhstorfer,1916; *nestonclara* Verity,1932; *eminens* Verity,1932; *varianana* Verity,1932; *austreminens* Verity,1950, etc. Tarqilişi (sémvoli): AL At Kts AT Aty Ba Bw Rp BE BG BY CH CN CZ DE DK EE ES FI FR GB GR HU IE IT IR KG Kr LT LU LV MK MN NL NO PL PT RO RU SE Si SK Sm So Sr Sj TR UA Ui Uk VI YU Cw Dv Smt H-W Sur Ssx Ken Fauna rayonining éliminti (sémvoli): 121 1

### **Boloria (Clossiana) freija (Thunberg,1791)**

*Papilio freija* Thunberg,1791, Diss. Ent. sist. Ins. Svecica 2: 34, Taf.5 fig.14. Type(s): Schweden. Menidas isimler: *freija* Thunberg,1791 Tarqilişi (sémvoli): BY EE FI LV NO RU SE UA KG Mn Ya Sau MN SAT Mgd CA US Sb Col Kts At Fauna rayonining éliminti (sémvoli): 121 1

### **Boloria (Clossiana) frigga (Thunberg,1791)**

*Papilio frigga* Thunberg,1791, Diss. Ent. sist. Ins. Svecica 2: 33. Type(s): Lappland. Menidas isimler: *frigga* Thunberg,1791; *helvenaci* Sedych,1977. Tarqilişi (sémvoli): EE FI LT LV NO RU SE KG Mn MN Sau Sb At Kts Tar SAT CAT Fauna rayonining éliminti (sémvoli): 121 1

### **Boloria (Clossiana) selene ([Denis & Schiffermüller],1775)**

*Papilio selene* [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 321. Type(s): [Austria]: Vienna district. Menidas isimler: *selene* [Denis & Schiffermüller],1775; *thalia* Hübner,1790 nec Linnaeus,1758; *cybele* Hübner,1790 nec Cramer,1777; *euphrasia* Lewin,1795; *marphisa* Herbst,1800; *rinaldus* Herbst,1800; *lado* Hummel,1826; *veta* Motschulsky,1852. Tarqilişi (sémvoli): At AT Ba BE BG BY CH CZ DE DK EE ES FI FR GB HU IT KG LT LU LV MN NL NO PL RO RU SE SK Sm So Sr UA Uk VI YU Cw Dv Smt H-W Sur Ssx Ken LAT Wn Ktn Kts Sli Mgd Kmt Fauna rayonining éliminti (sémvoli): 131 1a

### **Boloria (Clossiana) selenis (Eversmann,1837)**

*Argynnis selenis* Eversmann,1837, Bull. Soc. Nat. Moscou 10(1): 10. Russia: Kasanischer Gourv. Menidas isimler: *selenis* Eversmann,1837 Tarqilişi (sémvoli): At Kts Aty Ba CN KG KP Mn MN RU Sh Tt Ui Vv Ya Mgd VI Us Bn Trt Ktn PK Gg Fauna rayonining éliminti (sémvoli): 132 31b

### **Boloria (Clossiana) thore (Hübner,[1803])**

*Papilio thore* Hübner,[1803], Samml. eur. Schmett. 1: figs. 571-573. Type(s): [Tiroler Alpen]. Menidas isimler: *thore* Hübner,[1803] Tarqilişi (sémvoli): Am At Kts AT Ba BY CH DE FI Ir IT KG LT MN Mn NO RU Sb SE UA Ya YU Mgd Kuz Sli NAT WAt Yl Fauna rayonining éliminti (sémvoli): 121 1

### **Boloria (Procllossiana) erubescens (Staudinger,1901)**

*Argynnis hegemon* var. *erubescens* Staudinger,1901, Cat. lepid. palaearct. Faunengeb. 3(1): 35, nr.209a. Type(s): [China: Uigur A.R.]: Korla (*alp?*). Menidas isimler: *erubescens* Staudinger,1901 Tarqilişi (sémvoli): Aa AF Cho CN Db Fe Ju KG KK Kl Ku Tk T-S Ui Uit UZ DsA TrA Ket TeA KuA Ax Fauna rayonining éliminti (sémvoli): 142 33

### **Boloria (Procllossiana) eunomia (Esper,[1799])**

*Papilio eunomia* Esper,[1799], Die Schmett. 1(2): Forts. Tagschmett.: Taf.110, fig.5. Syntypes: Prussia. Menidas isimler: *eunomia* Esper,[1799]; *aphirape* Hübner,[1800]; *tomyris* Herbst,1800. Tarqilişi (sémvoli): AT At Kts Ba BG BL BY CZ DE EE ES FI FR IT LT LU LV NO PL RU SE Sr UA KG Nym Mn Cat WAt Trt Fauna rayonining éliminti (sémvoli): 121 1

### **Boloria (s.str.) generator (Staudinger,1886)**

*Argynnis pales* var. *generator* Staudinger,1886, Stettin ent. Ztg. 47: 235. Syntypes ♂♂: [Usbekistan]: Alai (Margelan), Usgent, Namangan; [Kirgizistan]: Osch; [China]: Tianschan. Menidas isimler: *generator* Staudinger,1886 Tarqilişi (sémvoli): Aa AF CN Db Fe Hk Ju KG KK Sem Tj Tk T-S Ui UZ Osh DsA TeA TrA Ket KuA Ax Fauna rayonining éliminti (sémvoli): 142 33\*

### **Boloria (s.str.) napaea (Hoffmannsegg,1804)**

*Papilio napaea* Hoffmannsegg,1804, Illiger, Magazin f. Insektenk. 3: 196. Type(s): [Austria: Tyrolean Alps] (cf. Warren,1944: 42). Menidas isimler: *napaea* Hoffmannsegg,1804; *isis* Hübner,[1800] nec Drury,1773; *dirphya* Hoffmannsegg,1806; *punctata* Crosson du Cormier,1964; *sabaudiensis* Crosson du Cormier,1964. Tarqilişi (sémvoli): At At Kts AT Aty CH CN DE FI FR IT KG Mn MN NO RU RU SE Ui Ya Sau Tar Fauna rayonining éliminti (sémvoli): 132 21b

### **Brenthis daphne (Bergsträsser,1780)**

*Papilio daphne* Bergsträsser,1780, Nomencl. Besch. Ins. 4: 32, Taf. 86 figs. 1,2. Type(s): Deutschland: [Hanau-Münzenberg]. Menidas isimler: *daphne* Bergsträsser,1780; *chloris* Esper,1778 nec Fabricius,1775; *epidaphne* Fruhstorfer,1907; *nikator* Fruhstorfer,1909; *tenuitermaculosa*

Verity,1922; syriaca Belter,1935; anatica Belter,1935. Tarqilişi (sémvoli): Sms At AT Ba BG BY CH CN DE ES FR GG GR HU IT JP LT IR MK PL RO RU Si SK Sm So Sr TR UA YU KG Uk Fauna rayonining éliminti (sémvoli): 132 12b

### **Brenthis hecate ([Denis & Schiffermüller],1775)**

*Papilio hecate* [Denis & Schiffermüller], 1775, *Ankündigung syst. Werkes Schmett. Wienergegend: 179. Type(s): [Austria]: Vienna district. Menidas isimler: hecate* [Denis & Schiffermüller],1775; *harthoe Fruhstorfer,1917; florida Verity,1919; stricta Verity,1933. Tarqilişi (sémvoli):* Buc At Al AT Ba BG BY CZ ES FR GR HU IT Kr LT MK RO RU SK Sm Sr TR UA Vi YU LAT Wn T-S KG Pm Sb Ur Nym Tar TrA DsA Aa Tk Tu Fauna rayonining éliminti (sémvoli): 132 21b

### **Brenthis ino (Rottemburg,1775)**

*Papilio ino* Rottemburg,1775, *Naturforscher 6: 19, Taf. 1 figs. 3,4. Type(s): Deutschland: Berlin, Landsberg an der Warthe. Menidas isimler: ino* Rottemburg,1775; *dictynna* [Denis & Schiffermüller],1775; *parthenie Bergsträßer,1780; flavomaculatus Retzius,1783; adula Fruhstorfer,1910; pyrenaica Sagarra,1925; sesquialtera Verity,1957. Tarqilişi (sémvoli):* At Kts AT Aty Ba BE BG BY CH CN CZ DE DK EE ES FI FR HU IT JP KG KK KP KR Ku LT LU LV MK MN NL NO PL RU SE SK Sm So Sr TR UA Ui Vi YU Kuz Sli Sau Tar TrA TeA DsA Fauna rayonining éliminti (sémvoli): 132 11b

### **Issoria lathonia (Linnaeus,1758)**

*Papilio lathonia* Linnaeus,1758, *Syst. Nat. (Edn.10) 1: 481. Type(s): [Sweden (Verity,1950)]. Menidas isimler: lathonia* Linnaeus,1758; *saturata Röber,1897; florens Verity,1916; emiflorens Verity,1919; attenuata Sagarra,1926; nigroprivata Verity,1933. Tarqilişi (sémvoli):* Adr AF AL At Kts AT Ba BE BG B-H BY Ch CH CN Cn Co CZ DE DK DZ EE ES FI FR GB GR HU HV IE IR IT KG KK Kr LB Ld LT LU LV MA MK NL NO PK PL PT RO RU Sa SE Sem Si SK Sm So Sr SS TJ Tk TM TN TR T-S UA Ui Uk UZ Vi YU NP SI Ken Tm Sau Tar DsA TrA KuA Ax TeA Ket Fauna rayonining éliminti (sémvoli): 222 1

### **Melitaea ala Staudinger,1881**

*Melitaea didyma* var. *ala* Staudinger,1881, *Stettin ent. Ztg. 42: 290-291. Syntypes: Lepsinsk, Dchugarischer Alatau. Menidas isimler: ala* Staudinger,1881 Tarqilişi (sémvoli): Aa CN Db KG KK Mn Tk T-S Ui RU Sb DsA Lps Nym TrA KuA TeA Ax Ku Ket Fauna rayonining éliminti (sémvoli): 142 35

### **Melitaea arduinna (Fabricius,1787)**

*Papilio arduinna* Fabricius,1787, *Mant. Ins. 2: 60, nr.577. Type(s): [Russia]: Russia australiori. Menidas isimler: arduinna* Fabricius,1787 Tarqilişi (sémvoli): Aa AF At Ba BG CN Db GR KG KK MK RO RU Sr TJ Tk TR T-S UA Ui UZ JO Buc Nym Ktm Tar Sau DsA TrA Tu Bog Mkk Fauna rayonining éliminti (sémvoli): 142 31

### **Melitaea asteroida Staudinger,1881**

*Melitaea asteroida* Staudinger,1881, *Stettin ent. Ztg. 42: 292. Syntypes: Ala Tau. Menidas isimler: asteroida* Staudinger,1881; *#asteroides* Staudinger,1881; *#asteroidea Heyne,[1893]. Tarqilişi (sémvoli):* CN KK Ku Ui DsA KG Tk Fauna rayonining éliminti (sémvoli): 142 33\*

### **Melitaea athene Staudinger,1881**

*Melitaea athene* Staudinger,1881, *Stettin ent. Ztg. 42: 266. Syntypes: ?Saisan. Menidas isimler: athene* Staudinger,1881 Tarqilişi (sémvoli): KG Sau Nym Tar Bkb Ssn Mrk Ktm Fauna rayonining éliminti (sémvoli): 142 34

### **Melitaea chitralensis Moore,1901**

*Melitaea chitralensis* Moore,1901, *Lepid. Ind. 5: 9. Syntypes: [Pakistan]: Chitral. Menidas isimler: chitralensis* Moore,1901; *#chitraliphuvia* Verity,1929. Tarqilişi (sémvoli): Ax Ci Db H-S KG KK Nwf PK Pm TJ UZ Z-A Fauna rayonining éliminti (sémvoli): 142 33

### **Melitaea cinxia (Linnaeus,1758)**

*Papilio cinxia* Linnaeus,1758, *Syst. Nat. (Edn.10) 1: 480. Type(s): [Sweden (Verity,1950)]. Menidas isimler: cinxia* Linnaeus,1758; *abacus* Retzius,1783; *fulla Quensel,1791. Tarqilişi (sémvoli):* AL At Kts AT Ba BE BG B-H BY CH CN CZ DE DK DZ EE ES FI FR GB GR HU HV IT KG Kr Ku LT LU LV MK MA MN NL NO PL PT RO RU SE Si SK Sm So Sr SS TR UA Ui Uk Vi YU Sau Tar DsA TrA Fauna rayonining éliminti (sémvoli): 132 21b

### **Melitaea danieli Achtelek,1999**

*Melitaea danieli* Achtelek,1999, *Atalanta 30 (1/4): 66-67, Taf.i,ii Abb. 1,2. Holotype ♂: [Kasachstan]: Alma Ata, Medeo 2200m. (MAKB). Menidas isimler: danieli* Achtelek,1999 Tarqilişi (sémvoli): KG Aa TrA TJ Pm UZ KK T-S Fauna rayonining éliminti (sémvoli): 142 33\*

### **Melitaea diamina (Lang,1789)**

*Papilio diamina* Lang,1789, *Verz. Schmett. Gegend Augsburg. (2): 44. Type(s): Deutschland: Heibron. Menidas isimler: dictynna* Esper,1778 *nec* [Denis & Schiffermüller],1775; *diamina* Lang,1789; *magnaobscura* Verity,1931. Tarqilişi (sémvoli): At Kts AT Ba BE BG BY CH CZ DE DK EE ES FI FR HU IT Kr LU LV MK MN NL PL RO RU SE SK Sm So Sr TR UA YU KG Mn At Sb Ur Fauna rayonining éliminti (sémvoli): 131 1a

### **Melitaea didyma (Esper,[1779])**

*Papilio didyma* Esper,[1779], *Die Schmett. 1: 365. Type(s): [Germany]: Bavaria: Uffenheim. Menidas isimler: didyma* Esper,[1779]; *armoricana* Oberthür,1909. Tarqilişi (sémvoli): Ae AL AM Ao At AT AZ Ba BE BG B-H BY CH CN CZ DE EE ES Abr FR GG GR HU HV Ii IL IQ IR IT KG KK Kr LB LT LU LV MK NL PL PT RO RU RY Si SK Sm So Sr SS SY TJ TM TR T-S UA Uk UZ Vi YU MA DZ TN DsA Ax KuA TrA Ket Mrk Sau Tar Sp Fauna rayonining éliminti (sémvoli): 142 11

### **Melitaea enarea Fruhstorfer,1916**

*Melitaea didyma* ssp. *enarea* Fruhstorfer,1916, Arch. Naturg. 82 (A) 2: 11. Syntypes: [Tadjikistan]: Pamirs: Garm, Gebirge Peter der Große. Menidaş isimler: *enarea* Fruhstorfer,1916; *shungana* Sheljuzhko,1929. Tarqilişi (sémvoli): Ax Db H-S KG KK Pm TJ UZ Z-A Osh Na Fauna rayonining éliminti (sémvoli): 142 31\*

### **Melitaea fascelis (Fabricius,1787)**

*Papilio fascelis* Fabricius,1787, Mant. Ins. 2: 58-59, nr.570. Syntypes: [Russia]: Russia australiori. Menidaş isimler: #trivia Denis & Schiffermüller,1775; *iphigenia* Esper,1782 hom.; #fascelis Esper,1783 uninominal; *fascelis* Fabricius,1787; *cleo* Latreille,1803; *pseudodidyma* Rebel,1905; *syriaca* Rebel,1905. Tarqilişi (sémvoli): Ae AL AM At AT AZ Ba BG B-H BY CZ EG ES GG GR HU HV IL IQ IR IT JO KG LB MK MN Or PT RO RU SK Sm Sn So Sr SS SY TM TR UA Uk UZ VI YU Tls Tm Bog Aq Kw Sp Nym Sau Mrk Tar Fauna rayonining éliminti (sémvoli): 142 12

### **Melitaea fergana Staudinger,1882**

*Melitaea fergana* Staudinger,1882, Berl. ent. Z. 26(1): 168-170. Syntypes: [Kirgizistan]: Alai-Gebirge, Osch. Menidaş isimler: *fergana* Staudinger,1882 Tarqilişi (sémvoli): Aa CN Gg Hk IR KG KK Ku Mz PK Pm Sda Shh TJ Ui UZ Ket Pm TeA T-S KuA TrA Fauna rayonining éliminti (sémvoli): 142 33

### **Melitaea infernalis Groum-Grshimailo,1891**

*Melitaea saxatilis* var. *infernalis* Groum-Grshimailo,1891, Horae soc. ent. ross. 25: 455-456. Syntypes: [China: Uighur A.R.]: "In montibus Boro-Choro (Thian -Schan or.), in limine Umkangol". Menidaş isimler: *infernalis* Groum-Grshimailo,1891 Tarqilişi (sémvoli): Bc CN KG Tk T-S Ui Tyk DsA Fauna rayonining éliminti (sémvoli): 142 33

### **Melitaea latonigena Eversmann,1847**

*Melitaea latonigena* Eversmann,1847, Bull. Soc. nat. Moscou 20(2): 66, Pl.1 figs.1,2. Type(s): Irkutsk. Kentei Mts. Menidaş isimler: *latonigena* Eversmann,1847; *altaica* Groum-Grshimailo,1893. Tarqilişi (sémvoli): At Kts Aty CN Ir KG Mn MN RU Ui Ltv Mkk Ktm Nym Fauna rayonining éliminti (sémvoli): 132 24a\*

### **Melitaea lunulata Staudinger,1901**

*Melitaea saxatilis* var. *lunulata* Staudinger,1901, Cat. lepid. palaearkt. Faunengeb. 3(1): 30. Syntypes: [Kirgizistan]: Issyk-Kul occ. (Alexander Mt.). Menidaş isimler: *lunulata* Staudinger,1901 Tarqilişi (sémvoli): KK UZ Ax KG Fauna rayonining éliminti (sémvoli): 142 33

### **Melitaea minerva Staudinger,1881**

*Melitaea minerva* Staudinger,1881, Stettin ent. Ztg. 42: 289. Syntypes ♂♀: [Kasachstan]: Dschungarischer Ala Tau. Menidaş isimler: *minerva* Staudinger,1881; *solona* Alpheraky,1881; *palamedes* Groum-Grshimailo,1890. Tarqilişi (sémvoli): Aa AF Ci CN H-S Ju Kbb KG KK Kl Ku PK Pm Pnj Sem Sha Smk TJ Tk Tm T-S Ui UZ DsA Aem Ket KuA TrA Ax TeA Fauna rayonining éliminti (sémvoli): 142 33

### **Melitaea ninae Sheljuzhko,1935**

*Melitaea ala* ssp. *ninae* Sheljuzhko,1935, Mitt. münch. ent. Ges. 25: 27. Syntypes: [Uzbekistan]: Tschimgan. Menidaş isimler: *ninae* Sheljuzhko,1935; #pseudoala Sheljuzhko,1928; #alboocellata Sheljuzhko,1928; *rosea* Higgins,1938; *ella-claudia* Bryk,1940. Tarqilişi (sémvoli): Db KG KK Tls Fauna rayonining éliminti (sémvoli): 142 33\*

### **Melitaea phoebe (Goeze,1779)**

*Papilio phoebe* Goeze,1779, Ent. Beyträge 3(1): 365. Menidaş isimler: #phoebe [Denis & Schiffermüller],1775; *phoebe* Goeze,1779; *paedotropos* Bergsträßer,[1780]; *tremulae* Piller & Mitterpacher,1783. Tarqilişi (sémvoli): Ae AL Ao At Kts AT Ba BE BG B-H Bw BY CH CZ DE EE ES FR GR HU HV IT KG Kr LT LU LV MK PL PT RO RU Si SK Sm So Sr SS TR UA Uk VI YU CN Ui Um Tar Sau DsA TrA KuA Fauna rayonining éliminti (sémvoli): 132 11d

### **Melitaea sibina Alpheraky,1881**

*Melitaea phoebe* var. *sibina* Alpheraky,1881, Horae Soc. ent. ross. 16: 400-403, Taf. 14 fig. 13. Syntypes ♂♂: [China: Uighur A.R.]: Kuldja, Sibo, Khuir-Souimoune. Menidaş isimler: *sibina* Alpheraky,1881; *dschungarica* Groum-Grshimailo,1895. Tarqilişi (sémvoli): Aa CN Db Dj KG KK Ku Ky Sbo Sem Tk Tm T-S Ui Alk Bog TrA DsA Fauna rayonining éliminti (sémvoli): 142 33

### **Melitaea uitasica Wagner,1913**

*Melitaea asteroidea* var. *uitasica* Wagner,1913, Ent. Mitt. 2: 94-95, 112-113, figs. Syntypes: [Kazachstan]: Uitas-Kette (Schlucht Taldi, Burchan). Menidaş isimler: *uitasica* Wagner,1913 Tarqilişi (sémvoli): KK KG Tk Fauna rayonining éliminti (sémvoli): 142 33\*

### **Mellicta alatauca (Staudinger,1881)**

*Melitaea parthenie* var. *alatauca* Staudinger,1881, Stettin ent. Ztg. 42: 291. Syntypes: [Kasachstan]: Dschungarischer Ala Tau. Menidaş isimler: *alatauca* Staudinger,1881; *alatauca* Seitz,1909 (hom.); *alatauca* Fruhstorfer,1917 (hom); *fruhstorferi* Wnukowsky,1929. Tarqilişi (sémvoli): KG Sem Tk DsA Fauna rayonining éliminti (sémvoli): 142 33

### **Mellicta aurelia (Nickerl,1850)**

*Melitaea aurelia* Nickerl,1850, Syn. Lepid. Fauna Bohmens: 12 (nom.nov. pro parthenie Bkh.,1788 nec Bergstr.,1780). Type(s): Germany:Breslau. Menidaş isimler: *parthenie* Borkhausen,1788 nec Bergsträßer,[1780]; *aurelia* Nickerl,1850; #serotina Oberthür,1909; *lucasi* Verity,1920. Tarqilişi (sémvoli): Am At AU Ba BG B-H BL BY CH CN CZ DE EE FR GG GR HU HV Ir IT KG KP LT LU LV MN PL Py RO RU Sb SK Sm So Sp Sr SS Tek TR T-S UA Ui Us V1 YU Nrk TeA Fauna rayonining éliminti (sémvoli): 132 21b

### **Mellicta britomartis (Assmann,1847)**

*Melitaea britomartis* Assmann,1847, Ent. Z., Breslau Lep. (1) 1: 2. Type(s): Breslau. Menidaş isimler: *britomartis* Assmann,1847; *veronicae* Dorfmeister,1853. Tarqilişi (sémvoli): AU Ba BG BY CH CZ DE HG Ir IT KG KP MN PL RO RU SE SK Sm So Sr SS UA At Sj Kts Sp Sau Mrk Tar DsA Fauna rayonining éliminti (sémvoli): 132 11b

### **Mellicta centralasiae (Wnukowsky,1929)**

*Melitaea aurelia* ssp. *centralasiae* Wnukowsky,1929, Zool. Anz. 83: 222 (nomen novum pro *Melitaea aurelia* var. *mongolica* Staudinger,1892, Dt. ent. Z., Iris 5: 327 nec *Melitaea matura* var. *mongolica* Staudinger,1892, op.cit.,321). Syntypes: Russia: Kentei. Menidaş isimler: *mongolica* Staudinger,1892:327 nec Staudinger,1892:321; *centralasiae* Wnukowsky,1929. Tarqilişi (sémvoli): At Kts Ir KG MN RU Sp Sau Tar Am Ya Sb Ssn Mkk Nym Ktm Fauna rayonining éliminti (sémvoli): 122 4

### **Euphydryas (Eurodryas) asiatica (Staudinger,1881)**

*Melitaea aurinia* var. *asiatica* Staudinger,1881, Stettin ent. Ztg. 42: 287-288. Syntypes ♂♀: [Dschungar] Ala Tau. Menidaş isimler: *asiatica* Staudinger,1881 Tarqilişi (sémvoli): Aa Ax CN KG KK Tk T-S Ui Ku Ik DsA Lps Aem Tyk TeA KuA TrA Ket Fauna rayonining éliminti (sémvoli): 142 33\*

### **Euphydryas (Eurodryas) banghaasi (Seitz,1908)**

*Melitaea aurinia* banghaasi Seitz,1908, Die Gross-Schmett. Erde 1: 214. Syntypes: [Russia: Süd-Sibirien]: Kentei-Gebirge. Menidaş isimler: banghaasi Seitz,1908 Tarqilişi (sémvoli): At Kts KG Mn RU Sb Fauna rayonining éliminti (sémvoli): 132 24a\*

### **Euphydryas (Hypodryas) matura (Linnaeus,1758)**

*Papilio matura* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 408. Type(s): Schweden (cf. Verity,1950; Higgins,1950). Menidaş isimler: *matura* Linnaeus,1758; *agrotica* Bergsträßer,[1780]; *cynthia* Hübner,[1800] nec [Denis & Schiffermüller],1775; *mysia* Hübner,[1800]. Tarqilişi (sémvoli): AL Ao At Kts AT Ba BE BG B-H BY CH CZ DE DK EE FI FR HU HV KG LU LV MK PL RO RU SE SK Sm So Sr SS UA Uk VI YU Fauna rayonining éliminti (sémvoli): 132 21b

## **SATYRIDAE (83 species)**

### **Melanargia galathea (Linnaeus,1758)**

*Papilio galathea* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 474. Syntypes: Germania, Europa. Menidaş isimler: *galathea* Linnaeus,1758; *leucomelas* Esper,1783; *leucomelanos* Fourcroy,1785; *galene* Ochsenheimer,1807; *bitorensis* Guillemot,1858; *pygmaea* Fruhstorfer,1916; *malmediensis* Derenne,1926; *xanthonica* Varin,1948. Tarqilişi (sémvoli): AL AM AT Ba BE BG B-H BY CH CZ DE DK EE ES FI FR GB GG GR HU HV IT Kr LT LU LV MK NL PL RO RU SE Si SK Sm So Sr TR UA VI YU KG Uk Or Sur Ssx Ken Fauna rayonining éliminti (sémvoli): 132 23a

### **Melanargia parce Staudinger,1882**

*Melanargia parce* Staudinger,1882, Berl. ent. Z. 26(1): 170-171. Syntypes: [Uzbekistan]: Samarkand (Urgut), Ferab, Hazret-Sultan Gebirge. Menidaş isimler: *parce* Staudinger,1882 Tarqilişi (sémvoli): KK UZ KuA TeA TrA Ax Syr Na Aa Db KG Tm Fauna rayonining éliminti (sémvoli): 142 33

### **Melanargia russiae (Esper,[1784])**

*Papilio arge russiae* Esper,[1784], Die Schmett. 1(2): 162, pl.84, figs.1,2. Syntypes: [Russia]: Russland. Menidaş isimler: *russiae* Esper,[1784]; *suwarovius* Herbst,1796; *clotho* Hübner,[1800]. Tarqilişi (sémvoli): F04 F06 F12 F33 F48 F66 FR PT Abz AL IT MK Si AL AM Ao At Aty AZ BG BY CN ES GG GR HU IR IT KG KK MK RU Sm So Sr TM TR T-S UA Ui Uk Vi Kt Kw No Om Or Pw RU Sem Sp Tk Ty Ur Vi Ze Kt Bs Tt Sr Cb Kg Kw Mn Aa Rk Sau Tar DsA TeA KuA TrA Ku Elb Mz Fauna rayonining éliminti (sémvoli): 142 31

### **Hipparchia (s.str.) autonoe (Esper,[1783])**

*Papilio autonoe* Esper,[1783], Die Schmett. 2: Pl.86. Type(s): [Russia]. Neotype ♂: Rossia or.:Saratow: Sarepta (=Krasnoarmeysk) designated by Kudrna, 1977: 48. Menidaş isimler: *autonoe* Esper,[1783]; *sibirica* Staudinger,1861; *extrema* Alpheraky,1889; *chinensis* Seok,1937. Tarqilişi (sémvoli): Aa Am At Kts Ba Bm Bs Cb CN Db Ka KG KK KP Kw MN Mn No Om Or Pw RU Sb Sm So Sp Sr Tk T-S Ui Uk Sau Tar DsA Ket TeA KuA TrA Ax Tu Fauna rayonining éliminti (sémvoli): 142 31

### **Erebia aethiops (Esper,[1777])**

*Papilio aethiops* Esper,[1777], Die Schmett.1(5): pl.25, fig.30.; [1779], ibidem 1(9): 312. Menidaş isimler: *aethiops* Esper,[1777]; *ligea* Poda,1761 nec Linnaeus,1758; *medea* Denis & Schiff.,1775; *blandina* Fabricius,1787; *media* Hübner,1799; *caledonia* Verity,1911; *altivaga* Fruhstorfer,1917; *sapaudia* Fruhstorfer,1917; *peneplana* Berger,1936. Tarqilişi (sémvoli): At Kts AT Ba BE BG BY CH CZ DE FR GB GG GR HU IT Kr LT LU LV NL PL RO RU SK Sm So Sr TR UA YU KG Sp Mn Fauna rayonining éliminti (sémvoli): 132 12b

### **Erebia brimo (Boeber,1809)**

*Papilio brimo* Boeber,1809, Mém. Soc. imp. Nat. Moscou 2: 308. Syntypes: Russia: "environs du lac Baikal". Menidaş isimler: *maurisius* sensu Lukhtanov & Lukhtanov,1994 nec Esper,[1803]; *brimo* Boeber,1809. Tarqilişi (sémvoli): At Aty CN KG Mn MN RU Sb Sj Ui Tar Sau Cln Kts Nym Ktm Tj NAT Cat Fauna rayonining éliminti (sémvoli): 132 24a\*

### **Erebia callias Edwards,1871**

*Erebia callias* Edwards,1871, Trans. am. Ent. Soc. 3: 274. Type(s): United States: "Colorado". Menidaş isimler: *callias* Edwards,1871 Tarqilişi (sémvoli): KG Tar Sau CN Ui US At RU Sb Mn Mkk Cln Ltv Trt MN Kts Sj Col Fauna rayonining éliminti (sémvoli): 131 1a

**Erebia cyclopius (Eversmann,1844)**

*Hipparchia cyclopius* Eversmann,1844, Bull. Soc. imp. Nat. Moscou 17: 590. Syntypes: [Russia: Irkutsk Region]: provincia Irkuzkiensi. Menidaş isimler: *cyclopius* Eversmann,1844 Tarqilişi (sémvoli): At Ba Ir KP CN Mc MN RU Ur Sb To Kts KG Cln Nym Ktm Mn Fauna rayonining éliminti (sémvoli): 122 3

**Erebia haberhaueri Staudinger,1881**

*Erebia pawlowskyi* var. *haberhaueri* Staudinger,1881, Stettin ent. Ztg. 42: 267. Syntypes: Tarbagatai, 6000-8000ft. Menidaş isimler: *haberhaueri* Staudinger,1881 Tarqilişi (sémvoli): KG Mn Tar Sau Fauna rayonining éliminti (sémvoli): 131 2b

**Erebia jennisensis Trybom,1877**

*Erebia ligea jennisensis* Trybom,1877, K. Vetensk. Akad. Forhandl. Stockholm 1877 (6): 46. Type(s): Russia: Jenissej. Menidaş isimler: *jennisensis* Trybom,1877; *velox* Herz,1898; *minima* Goltz,1930; *fasciola* Warren,1931. Tarqilişi (sémvoli): RU Sb Tv MN To No Sp Mn KG At Kts Cln Nym Ktm Vtm Trt Tyl Tel Jns Ltv Fauna rayonining éliminti (sémvoli): 122 4

**Erebia kalmuka Alpheraky,1881**

*Erebia kalmuka* Alpheraky,1881, Horae Soc. ent. ross. 16: 414-416, Taf. 15, figs. 18, 19. Syntypes ♂♀: [China: Uighur A.R.]: "Jouldousse" [Tian-Chian]. Menidaş isimler: *kalmuka* Alpheraky,1881 Tarqilişi (sémvoli): CN Ju KK Na T-S Ui KG Tk Nrk TeA Fauna rayonining éliminti (sémvoli): 142 33

**Erebia kefersteinii (Eversmann,1851)**

*Hipparchia (Erebia) kefersteinii* Eversmann,1851, Bull. Soc. nat. Moscou 24 (1): 610. Syntypes: Russia: Sibérie orientale. Menidaş isimler: *kefersteinii* Eversmann,1851 Tarqilişi (sémvoli): At RU Sb KG Mn Cln MN Kts Trt Fauna rayonining éliminti (sémvoli): 132 24a

**Erebia kindermanni Staudinger,1881**

*Erebia kindermanni* Staudinger,1881, Stettin ent. Ztg. 42: 269. Syntypes ♂♀: Altai. Lectotype ♂: Altai: Ubinsky Mts., designated by Lukhtanov, 1990, Vestn. Zool. 1990: 16 (ZMHUB). Menidaş isimler: *kindermanni* Staudinger,1881 Tarqilişi (sémvoli): At RU Nym Mn Mkk Ktm KG Sb MN Ltv Kts Cln Fauna rayonining éliminti (sémvoli): 132 24a

**Erebia ligea (Linnaeus,1758)**

*Papilio ligea* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 473. Type(s): Europae sylvis. Menidaş isimler: *ligea* Linnaeus,1758; *alexis* Retzius,1783 nec Poda,1761; *permagna* Fruhstorfer,1909; *carthusianorum* Fruhstorfer,1909. Tarqilişi (sémvoli): AL At Kts AT BE BG BY CH CZ DE DK EE FI FR GR HU IT LT LV NL NO PL RO RU SE SK Sr TR UA YU RU Or Sm Bs Cb Tt So Sb Ty Om To No Pr KG Sp Mn MN Sj Bry Tv Ya Mgd JP Fauna rayonining éliminti (sémvoli): 122 1

**Erebia melanops Christoph,1889**

*Erebia melanops* Christoph,1889, Horae Soc. ent. ross. 23: 299. Syntypes: "Samarkand" (err.); [Tianschan]. Menidaş isimler: *melanops* Christoph,1889; *alexandra sensu* Wagner,1913. Tarqilişi (sémvoli): KG KK Sem Ket Nrk Tk TeA TrA Fauna rayonining éliminti (sémvoli): 142 33\*

**Erebia meta Staudinger,1886**

*Erebia meta* Staudinger,1886, Stettin ent. Ztg. 47: 237. Syntypes: [Kirghizistan]: [Osch] Alai-Gebirge. Menidaş isimler: *meta* Staudinger,1886; *gertha* Staudinger,1886; *mopsos* Staudinger,1886. Tarqilişi (sémvoli): Nrk Ket TeA TrA KuA Osh Tls Tkl Al Ax KG KK Sem Tk UZ Fauna rayonining éliminti (sémvoli): 142 33\*

**Erebia ocnus (Eversmann,1843)**

*Hipparchia ocnus* Eversmann,1843, Bull. Soc. nat. Moscou 16: 538, pl.8 figs.5a,5b. Syntypes: Noor-Saisan (err.); [Kasachstan: Dschungarischer Alatau]. Menidaş isimler: *ocnus* Eversmann,1843 Tarqilişi (sémvoli): Tyk Na DsA KG KK Tk T-S Fauna rayonining éliminti (sémvoli): 142 33

**Erebia pandrose (Borkhausen,1788)**

*Papilio pandrose* Borkhausen,1788, Naturg. eur. Schmett. 1: 95. Type(s): [Austria]: Steyermark. Menidaş isimler: *castor* Esper,1781 nec Cramer,1775; *pandrose* Borkhausen,1788; *zilia* Borkhausen,1789; *baucis* Schrank,1801; *hungara* Latreille,1803; *asiorientalis* Goltz,1937. Tarqilişi (sémvoli): AL AT BG CH DE ES FI FR IT NO PL RO SE SK YU RU Sj Tv MN At Kts KG Mn Cln Fauna rayonining éliminti (sémvoli): 113 1b

**Erebia radians Staudinger,1886**

*Erebia radians* Staudinger,1886, Stettin ent. Ztg. 47: 240-241. Syntypes: Usgent, Osch. Menidaş isimler: *radians* Staudinger,1886 Tarqilişi (sémvoli): Db Ax KK UZ Osh TrA Ket Al KG Tk Aa Fauna rayonining éliminti (sémvoli): 142 33

**Erebia rossii (Curtis,1834)**

*Hipparchia rossii* Curtis,1834, [in] Ross, Narrative Second Voyage: 67, pl.A. Type(s): [Canada]: Boothia Peninsula, Northwest Territories. Menidaş isimler: *rossii* Curtis,1834 Tarqilişi (sémvoli): RU At Mgd Kmt CA Tch Jns Tv MN Sj US Als KG Kts Nym Mn Fauna rayonining éliminti (sémvoli): 121 2

**Erebia sibo Alpheraky,1881**

*Erebia sibo* Alpheraky, 1881, *Horae Soc. ent. ross.* 16: 416-417, Taf. 15, figs. 20, 21. Syntypes ♂♀: [China]: Tian- Chian, 9000-11000 feet. Menidas isimler: *sibo* Alpheraky, 1881; *mongolica* Erschoff, 1888 Tarqilişi (sémvoli): KG KuA TeA Ax Nrk Tk Na CN KK Ku T-S Ui Fauna rayonining éliminti (sémvoli): 142 33

### **Erebia stubbendorffii Ménétrés, 1846**

*Erebia stubbendorffii* Ménétrés, 1846, *Bull. phys. math. Acad. imp. Sci. St. Petersb. (ser.2)* 5: 264. Lectotype ♀: Russia: Kansk in Südsibirien (designated by V. Lukhtanov, 1994, *Herbipoliana* 3: 110). Menidas isimler: *stubbendorffii* Ménétrés, 1846; *connexa* Warren, 1930. Tarqilişi (sémvoli): RU KG At Sb Sj Cln Ltv Fauna rayonining éliminti (sémvoli): 132 24a\*

### **Erebia theano (Tauscher, 1806)**

*Papilio theano* Tauscher, 1806, *Mém. Soc. Nat. Moscou* 1: 207. Syntypes: [Russia]: in montibus Altaicis Sibiriae [Altai]. Menidas isimler: *theano* Tauscher, 1806 Tarqilişi (sémvoli): At Sli Kuz Aty CN No RU To No Ui KG Sj Kts Ltv Cln Mn Nym Ktm Mkk Fauna rayonining éliminti (sémvoli): 131 3

### **Erebia tianschanica Alpheraky, [1894]**

*Erebia sibo* var. *tianschanica* Alpheraky, [1894], [in] Rühl, F., *Die Palaearkt. Grossschmett. Naturg.* 1: 501. Type[s]: [Kazachstan: Dzhungarsky Alatau (Tyshkantau Mts.)]: "Tianschan". Menidas isimler: *tianschanica* Alpheraky, [1894] Tarqilişi (sémvoli): KG Tk T-S Tyk Na DsA Fauna rayonining éliminti (sémvoli): 142 33\*

### **Erebia turanica Erschoff, 1877**

*Erebia turanica* Erschoff, 1877, *Horae Soc. ent. ross.* 12: 336. Syntypes: [Kasachstan]: Dschungarischer Alatau. Menidas isimler: *turanica* Erschoff, 1877 Tarqilişi (sémvoli): DsA Ax Aa Bc CN Fe KG KK Kl Ku Tk T-S Ui UZ TrA Ket KuA TrA Fauna rayonining éliminti (sémvoli): 142 33

### **Paralasa kusnezovi (Avinoff, 1910)**

*Erebia mani* var. *kusnezovi* Avinoff, 1910, *Horae Soc. ent. ross.* 39: 249, Pl. 14 f. 11 Type(s): Fergana sept.: Padshiata, Metshetsaja. Menidas isimler: *kusnezovi* Avinov, 1910; *styx* O. Bang-Haas, 1927. Tarqilişi (sémvoli): KK Tls UZ Tas Ik KuA TeA KG Db Fauna rayonining éliminti (sémvoli): 142 33\*

### **Proterebia afra (Fabricius, 1787)**

*Papilio afra* Fabricius, 1787, *Mant. Ins.* 2: 41, nr. 413. Syntypes: [Russia]: Russiae australioris desertis. Menidas isimler: *afra* Fabricius, 1787 Tarqilişi (sémvoli): Ba Cm GR HV IR KG Kr RU Sm So Sp Sr TM TR UA Uk Vl At Nym Ktm Bkb Mrk Sau Tar DsA Ax Db Bog Tk Aa Fauna rayonining éliminti (sémvoli): 142 21

### **Arethusana arethusa (Denis & Schiffermüller, 1775)**

*Papilio arethusa* [Denis & Schiffermüller], 1775, *Ankündigung syst. Werkes Schmett. Wienergegend*: 169. Type(s): [Austria]: Vienna district. Menidas isimler: *arethusa* [Denis & Schiffermüller], 1775; *erythia* Hübner, 1805; *pontica* Heyne, [1895]; *sultana* Wagner, 1929; *hakkarica* Koçak, 1975 (sensu Hesselbarth et al., 1995: 917). Tarqilişi (sémvoli): Aa AL AT Aty Ao Ba Bs BE BG Bs BY Cb CH CN CZ Db DE ES FR GR HU IT Ka KG KK Kw Mn NL Or PT Pw Rk RO RU RU SK Sm So Sp Sr Tk Tm TR T-S UA Ui Uk Vl YU LAT Wn Gj Kts Nym Sau Tar DsA KuA TrA TeA Ket Tls Fauna rayonining éliminti (sémvoli): 132 21b

### **Chazara (Neochazara) anthe (Hoffmannsegg, 1804)**

*Papilio anthe* Hoffmannsegg, 1804, *Mag. f. Insektenk.* 5: 182. Syntypes: [Russia]: Südrussland. Menidas isimler: *anthe* Hoffmannsegg, 1804; *persephone* Hübner, 1805; *anthe* Ochsenheimer, 1807. Tarqilişi (sémvoli): AM Ao Aq At AZ Ba Cm GG Gj IQ IR JO KG LB Mg Mn RU Sm So Sp Sr TR UA Uk Vl Ktm Nym SY Fauna rayonining éliminti (sémvoli): 142 24a

### **Chazara (Neochazara) enervata (Staudinger, 1881)**

*Satyrus anthe* var. *enervata* Staudinger, 1881, *Stettin ent. Ztg.* 42: 271. Syntypes: [Kasachstan]: Saisan. Lectotype ♂: Saisan, designated by Lukhtanov, 1994, *Herbipoliana* 3: 157 (in ZMHUB). Menidas isimler: *enervata* Staudinger, 1881; *analogia* Alpheraky, 1881; *ochracea* Heyne, [1894]. Tarqilişi (sémvoli): Aa AF Bl Ci CN Db IR KG KK Ku Ky Omi PK Sp TJ Tk Tm TM Ui UZ Nym Sau Tar DsA Ssn TrA KuA Ax Ket Sju Bog Kpt Fauna rayonining éliminti (sémvoli): 142 31\*

### **Chazara (Neochazara) heydenreichi (Lederer, 1853)**

*Satyrus heydenreichi* Lederer, 1853, *Verh. zool.- bot. Ver. Wien* 3: 359. Syntypes: [Kazachstan]: in den Vorbergen des Altai, zw. Ustkamenogorsk und Ustbuchraminsk am Irtysh. Menidas isimler: *heydenreichi* Lederer, 1853; *karasagina* Holik, 1949. Tarqilişi (sémvoli): Bg KG KK PK Rk RU Sha SkL Sp Tk CN Ui Um Nym Sau Tar Ket Ax TrA KuA DsA Tls AF Hk Fauna rayonining éliminti (sémvoli): 132 24c

### **Chazara (s.str.) briseis (Linnaeus, 1764)**

*Papilio briseis* Linnaeus, 1764, *Museum Ludovicae Ulricae*: 276. Type(s): Germania. Menidas isimler: *briseis* Linnaeus, 1764; *daedale* Bergsträßer, 1780; *bataia* Fruhstorfer, 1909; *interjecta* Verity, 1916; *variabilis* Varin, 1958; *pictonica* Varin, 1958. Tarqilişi (sémvoli): AF AL AM Ao At Kts AT Aty AZ Ba BE BG B-H BY CH CN CY CZ DE DZ ES FR GG GR HU HV IQ IR IT Ju KG KK LU MA MK MN PL RO RU SE Si SK Sm So Sr SS TJ TM TN TR T-S UA Ui Uk UZ Vl YU Tm Fauna rayonining éliminti (sémvoli): 142 21

### **Chazara (s.str.) kaufmanni (Erschoff, 1874)**

*Satyrus kaufmanni* Erschoff, 1874, [in] Fedtschenko, *Reise nach Turkestan* 2, 5(3) (Lepidoptera): 19, taf. 1 fig. 14. Syntypes: [Usbekistan]: Samarkand. Menidas isimler: *kaufmanni* Erschoff, 1874 Tarqilişi (sémvoli): Aa Ax CN KG KK Ky Omi Sp Ui UZ Tm Sju Tar Fauna rayonining éliminti (sémvoli): 142 31\*

**Karanasa abramovi (Erschoff,1884)**

*Satyrus abramovi* Erschoff,1884, *Horae Soc. ent. ross.* 18: 245. Syntypes: Kirghizistan: "Tschatyr-Kul". Menidaş isimler: *abramovi* Erschoff,1884 Tarqilişi (sémvoli): Kl T-S Ax CN Ga KK Na Ui Aa KG TJ Fauna rayonining éliminti (sémvoli): 132 33

**Karanasa josephi (Staudinger,1882)**

*Satyrus josephi* Staudinger,1882, *Berl. ent. Z.* 26(1): 174. Syntypes: [Tadjikistan]: Alai-Gebirge. Menidaş isimler: *josephi* Staudinger,1882 Tarqilişi (sémvoli): Al Db KG KK Osh Pm TJ Tls Drw His Fauna rayonining éliminti (sémvoli): 142 33\*

**Karanasa kasakstana (O.Bang-Haas,1936)**

*Satyrus regeli kasakstana* O.Bang-Haas,1936, *Ent. Z., Frankf. a. M.* 50: 108. Syntypes: Kasakstan, Aulie Ata, Talas Alatau. Menidaş isimler: *kasakstana* O.Bang-Haas,1936 Tarqilişi (sémvoli): Db KG KK Tls Fauna rayonining éliminti (sémvoli): 142 33\*

**Karanasa regeli (Alpheraky,1881)**

*Satyrus regeli* Alpheraky,1881, *Horae Soc. ent. ross.* 16: 419-421, *Taf.* 15 fig. 23. Syntypes ♂♀: [China]: Tian-Chian. Menidaş isimler: *regeli* Alpheraky,1881 Tarqilişi (sémvoli): Aa Bc CN Dj Ga Ju KG Ku Sem Tk T-S Ui TeA KuA TrA Fauna rayonining éliminti (sémvoli): 142 33

**Karanasa wilkinsi (Erschoff,1884)**

*Satyrus wilkinsi* Erschoff,1884, *Horae Soc. ent. ross.* 18: 244. Syntypes: [Kirgisien]: "Tschatir-Kul". Menidaş isimler: *wilkinsi* Erschoff,1884 Tarqilişi (sémvoli): T-A Al Ga Ui CN Aa TrA KG KK KuA Fauna rayonining éliminti (sémvoli): 142 33\*

**Oeneis aktashi Lukhtanov,1984**

*Oeneis aktashi* Lukhtanov,1984, *Rev. ent. U.R.S.S.* 53(4): 785. Holotype: Russia: Altai, Kurai-Gebirge, Aktasch. Menidaş isimler: *aktashi* Lukhtanov,1984 Tarqilişi (sémvoli): At Kuz Kts KG RU Sj MN Fauna rayonining éliminti (sémvoli): 132 24a\*

**Oeneis fulla (Eversmann,1851)**

*Hipparchia (Chinobas) fulla* Eversmann,1851, *Bull. Soc. nat. Moscou* 24: 614. Syntypes: [Russia]: "environs du lac Baical". Lectotype: Kazakhstan: [Tarbagatai]: Noor-Saisan Gegend (Lukhtanov,1987). Menidaş isimler: *fulla* Eversmann,1851 Tarqilişi (sémvoli): KG Mn Ssn Fauna rayonining éliminti (sémvoli): 142 33\*

**Oeneis hora Groum-Grshimailo,1888**

*Oeneis hora* Groum-Grshimailo,1888, *Horae Soc. ent. ross.* 22: 307. Type(s): [Tadjikistan]: Transalai. Menidaş isimler: *hora* Groum-Grshimailo,1888; *elsa* Austaut,1895; *verdanda* Staudinger,1897; *vanda* Austaut,1900; *germana* Austaut,1908; *tristis* Bang-Haas,1909. Tarqilişi (sémvoli): ?RU Al At Bc CN KK Kl T-A Ti TJ T-S Ui Ax TrA KuA Ket KG Fauna rayonining éliminti (sémvoli): 142 33

**Oeneis mulla Staudinger,1881**

*Oeneis mulla* Staudinger,1881, *Stettin ent. Ztg.* 42: 270-271. Syntypes 2♂ 7♀: Tarbagatai. Menidaş isimler: *mulla* Staudinger,1881 Tarqilişi (sémvoli): At CN KG Mn Omi RU Ui Fauna rayonining éliminti (sémvoli): 132 24a

**Oeneis norna (Thunberg,1791)**

*Papilio norna* Thunberg,1791, *Diss. Ent. sist. Ins. Svecica*: 2: 36. Type(s): Lappland. Menidaş isimler: *norna* Thunberg,1791; *dembowskyi* Sedykh,1974; *falkovitchi* Sedykh,1974; *kusnetzovi* Sedykh,1974; *koslowskyi* Sedykh,1974; *solopovi* Sedykh,1974. Tarqilişi (sémvoli): FI NO SE RU JP Yl Ur Sb At Kts Trt Sj Tv MN Nym Mn KG Ltv Tj Ktm CN Ui T-S Fauna rayonining éliminti (sémvoli): 113 1b

**Oeneis sculda (Eversmann,1851)**

*Hipparchia (Chinobas) sculda* Eversmann,1851, *Bull. Soc. imp. Nat. Moscou* 24: 612. Syntypes: Russia: [Südsibirien]: "Kiachta". Menidaş isimler: *sculda* Eversmann,1851 Tarqilişi (sémvoli): At Kts RU Am Ya Ir MN RU Sj Nym KG Mn Trt Tj Fauna rayonining éliminti (sémvoli): 132 24a

**Oeneis tarpeia (Pallas,1771)**

*Papilio tarpeia* Pallas,1771, *Reise versch. Prov. Russ. Reichs* 1: 18. Type(s): Russia. Menidaş isimler: *tarpeia* Pallas,1771; *celimene* Cramer,[1782]; *vacuna* Groum-Grshimailo,1891. Tarqilişi (sémvoli): KG At Trt Kts Ba CN MN RU Bry Sm So Sr T-S Ui Or Uk Kt Kg Ty Kw Pw Om Mn Sp Sau Tar No Tk DsA Fauna rayonining éliminti (sémvoli): 142 31

**Pseudochazara (s.str.) hippolyte (Esper,[1784])**

*Papilio hippolyte* Esper,[1784], *Die Schmett. Abb. Nat.* 1(2): 164. Syntypes: Russia: Südrussland. Menidaş isimler: *hippolyte* Esper,[1784] *nec hippolyte* Drury,1782. Tarqilişi (sémvoli): Aa An Aq At Aty Ax Ba CN ES Gn Grn Ka KG KK Kt Ku Kw MN Mn Om Or Pw RU Sem Sm Snn Sp Sr Ti Tk T-S Ui Uk DsA KuA TrA Ket Sau Tar Tyk Tj Fauna rayonining éliminti (sémvoli): 142 12

**Pseudochazara (s.str.) turkestanica (Groum-Grshimailo,1893)**

*Satyrus lehana* var. *turkestanica* Groum-Grshimailo,1893, *Horae Soc. ent. ross.* 27: 384. Syntypes: [China: Uighur A.R.]: "in montibus Turkestanica: Tian-shan orientali". Menidaş isimler: *turkestanica* Groum-Grshimailo,1893 Tarqilişi (sémvoli): CN KK T-S Ui Ku Au KG Al AF Anj Bd Bqu Kbb Hk Sp Ket KuA T-I TrA Ax Fauna rayonining éliminti (sémvoli): 142 33\*

**Satyrus ferula (Fabricius,1793)**

*Papilio ferula* Fabricius,1793, *Ent. Syst.* 3(1): 225. Type(s): Italia. Menidaş isimler: *proserpina* Cyrillo,1787 *nec* Denis & Schiffermüller,1775; *cordula* Fabricius,1793; *ferula* Fabricius,1793; *cyrillus* Herbst,1796; *hyppolite* Herbst,1796; *orsiera* De Prunner,1798; *bryce* Hübner,[1800].

Tarqilişi (sémvoli): AL At AT Ba BG BY CH CN ES FR Gn GR IT KG MA MN RU Sm Sr TR Tv UA YU Am Kt Sau Tar DsA TrA Bog T-I UA Fauna rayonining éliminti (sémvoli): 142 22a

**Hyponephele (s.str. (Iranonephele)) glasunovi (Groum-Grshimailo,1893) <sup>9</sup>**

*Epinephele amardea* var. *glasunovi* Groum-Grshimailo,1893, *Horae Soc. ent. ross.* 27: 129. Syntypes: Gissar-Gebirge. Lectotype ♂: mont. Hissariensis, Iskander-kul, designated by Lukhtanov,1994, *Herbipoliana* 3: 129 (in ZMHUB). Menidaş isimler: *glasunovi* Groum-Grshimailo,1893 Tarqilişi (sémvoli): KG KK Ax Tm Db Tls Ky Na Tkl Ik TJ AF Pm Fauna rayonining éliminti (sémvoli): 142 33\*

**Hyponephele (s.str. (Iranonephele)) naubidensis (Erschoff,1874)**

*Epinephele amardea* var. *naubidensis* Erschoff,1874, [in] Fedtschenko, *Reise in Turkestan* 2(5): 21, Taf.5 fig.73. Syntypes: Turkestan: Berge Naubid. Menidaş isimler: *naubidensis* Erschoff,1874 Tarqilişi (sémvoli): KG KK Sem TJ Tk Fauna rayonining éliminti (sémvoli): 142 33

**Hyponephele (s.str. (Tengrinephele)) cadusina (Staudinger,1881) <sup>10</sup>**

*Epinephele cadusina* Staudinger,1881, *Stettin ent. Ztg.* 42: 299. Syntypes 5♂ 3♀: Lepsa-Gebiet. Lectotype ♂: Kazachstan: [Dschungar] Alatau (designated by Lukhtanov,1994, *Herbipoliana* 3: 122) (ZMHUB). Menidaş isimler: *cadusina* Staudinger,1881 Tarqilişi (sémvoli): KG Lps DsA Tk At MN RU Sau Tar T-S Al TJ Drw His T-A Fauna rayonining éliminti (sémvoli): 142 33

**Hyponephele (s.str. (Tengrinephele)) kirghisa (Alpheraky,1881)**

*Epinephele kirghisa* Alpheraky,1881, *Horae Soc. ent. ross.* 16: 423-424, Taf.15 fig. 24, 25. Syntypes ♂♀: [China]: Tian-Chian. Menidaş isimler: *kirghisa* Alpheraky,1881; *chamyla* Staudinger,1901; *#chamila* Wagner,1913; *terskeana* Lukhtanov,1994. Tarqilişi (sémvoli): Ax MN TeA T-S CN KK KG Ik Ku Sem Kml Tk Ui TrA DsA Tyk Bog KuA Tu Ket Sju Tu Bc Um Fauna rayonining éliminti (sémvoli): 142 33

**Hyponephele (s.str. (Turkestaninephele)) germana (Staudinger,1887) <sup>11</sup>**

*Epinephele haberhaueri* var. *germana* Staudinger,1887, *Stettin ent. Ztg.* 48: 62-63. Syntypes: [Kirgizistan]: Alexandergebirge. Lectotype ♂: "Alex.Geb." (Alexander Gebirge) (designated by Lukhtanov,1994, *Herbipoliana* 3: 125 (ZMHUB). Menidaş isimler: *germana* Staudinger,1887 Tarqilişi (sémvoli): Ax KK KG TrA Bog Aa T-I Fauna rayonining éliminti (sémvoli): 142 33\*

**Hyponephele (s.str. (Turkestaninephele)) haberhaueri (Staudinger,1886)**

*Epinephele haberhaueri* Staudinger,1886, *Stettin ent. Ztg.* 47: 247-248. Syntypes: [Usbekistan]: Samarkand; [Kirgizistan]: Alai, Osh. Lectotype ♂: Alai (designated by Lukhtanov,1994, *Herbipoliana* 3: 124) (ZMHUB). Menidaş isimler: *haberhaueri* Staudinger,1886 Tarqilişi (sémvoli): Al KK Osh T-S Tm KG Fauna rayonining éliminti (sémvoli): 142 33\*

**Hyponephele (s.str. (Turkestaninephele)) rueckbeili (Staudinger,1887)**

*Epinephele rueckbeili* Staudinger,1887, *Stettin ent. Ztg.* 48: 63-64. Syntypes: [Kirgizistan]: Issyk-Kul. Lectotype ♂: "Issyk Kul 86 Rckbl" (designated by Lukhtanov,1994, *Herbipoliana* 3: 125 (ZMHUB). Menidaş isimler: *rueckbeili* Staudinger,1887 Tarqilişi (sémvoli): Ik KK KG Aa TrA T-S TeA Tk Sju Fauna rayonining éliminti (sémvoli): 142 33

**Hyponephele (s.str.) dzhungarica Samodurov,1996 <sup>12</sup>**

*Hyponephele dzhungarica* Samodurov,1996, *Nachr. ent. Ver. Apollo N.F.* 17(1): 26-28, Abb., Holotype ♂: SO-Kasachstan: Taldy-Kurganer Gebiet, Dsungarski-Alatau, Kapal, 1300m (ZMUM). Menidaş isimler: *dzhungarica* Samodurov,1996 Tarqilişi (sémvoli): KG Tk DsA Aem Ket Fauna rayonining éliminti (sémvoli): 142 33\*

<sup>9</sup> Section. *Iranonephele* n. sect.- Type-species: *Epinephele amardea* Lederer,1869. Vucudi kichik, erkek képinekning qanitining üstünki yüzi qéniq kereşinivay, cinsiy déği ("sex-brand") tar; arqa qanatning sirtqi girvigi tüz yaki biliner - bilinmes dolqun şeklida, astinqi yüzi külreng - kereşinivay, diskal ve antin - marginal zig-zigi bekmü tereqqi qilmiğan, anal qismida yumulaq qara renglik kichik bir nuqta mevcut. Bu grup öz içige alğan türler tövendikidek: *amaradea* (Lederer,1869), *fortambeka* Samodurov,1996, *glasunovi* (Groum-Grshimailo,1893), *hilaris* (Staudinger,1886), *kocaki* Eckweiler,1978, *naubidensis* (Erschoff,1874), *perplexa* Wyatt & Omoto,1966.

<sup>10</sup> Section. *Tengrinephele* n. sect.- Type-species: *Epynephele kirghisa* Alpheraky,1881. Aldi qanatning üstünki yüzide 1 yaki 2 adet post-diskal dağ bolup, tégide qéniq kereşinivay ten'giçiler azayğan, üstünki yüzide adette sağuç - kereşinivay reng üstünlükni igelleydu. Erkek képinektiki cinsiy dağ qara rengde bolup, hélila tereqqi. Bu grup öz içige alğan türler tövendikidek: *cadusia* (Lederer,1869), *cadusina* (Staudinger,1881), *kirghisa* (Alpheraky,1881), *laeta* (Staudinger,1886), *pamira* Lukhtanov,1990, *pseudokirgisa* Stshetkin,1984, *sheljuzhko* Samodurov & Tshikolovez,1996.

<sup>11</sup> Section. *Turkestaninephele* n. sect.- Type - species: *Epinephele haberhaueri* Staudinger,1886. Aldi qanatning üstünki yüzi qéniq kereşinivay, ottursida sağuç kereşinivay dağlar tereqqi qilğan, bundin başqa 2 tal qéniq rengde post-diskal dağ mevcut. Erkek képinekte cinsiy dağ tar, kereşinivay rengde. Arqa qanatning astinqi yüzi oçuq renglik, éniq. Anal qisimi qara çekitlik, sirtqi girvigi dolqun şeklida bolup, bekmü çongqur emes. Bu grup öz içige alğan türler tövendikidek: *galtsha* (Groum-Grshimailo,1893), *germana* (Staudinger,1887), *haberhaueri* (Staudinger,1886), *maureri* (Staudinger,1886), *rubriceps* (Herz,1900), *rueckbeili* (Staudinger,1887).

<sup>12</sup> Section. *Hyponephele* Muschamp,1915.- Bu grup öz içige alğan türler tövendikidek: *dzhungarica* Samodurov,1996, *interposita* (Erschoff,1874), *jasavi* Lukhtanov,1990, *lupina* (Costa,[1836]), *lycaon* (Rottemburg,1775), *catamelas* (Staudinger,1886), *lycaonoides* Weiss,1978, *maroccana* (Blachier,1908), *pasimelas* (Staudinger,1886), *przhewalskyi* Dubatolov, Sergeev & Zhdanko,1994, *zuvandica* Samodurov & Koroljev,1996.

### **Hyponephele (s.str.) interposita (Erschoff,1874)**

*Epinephele interposita* Erschoff,1874, [in] Fedtschenko, Reise in Turkestan 2(5) 3: 22, pl.2 fig.16. Syntypes: Turkestan. Menidaş isimler: *interposita* Erschoff,1874; *margelanica* Turati,1909 (cf. Samodurov et al.,1995, *Atalanta* 26 (1/2): 182). Tarqilişi (sémvoli): CN T-S Ui IR AF TM BI PK TJ UZ KG MN Nym Ktm Bkb Sau Tar Sp DsA Tk liD Tm Fauna rayonining éliminti (sémvoli): 142 31

### **Hyponephele (s.str.) jasavi Lukhtanov,1990**

*Hyponephele jasavi* Lukhtanov,1990, *Vestn. zool.* 1990 (6): 18-19, figs.5,6. Holotype ♂: Kasachstan: Chimkent: Syrdaryinsky Karatau, Kentau, Boyal'dyr, 900m (nach dem Namen des Dichters und Predigers Achmed Jasawi (1105-1166) benannt) (ZIP). Menidaş isimler: *jasavi* Lukhtanov,1990 Tarqilişi (sémvoli): KG Ky Tm KK Tls Fauna rayonining éliminti (sémvoli): 142 33\*

### **Hyponephele (s.str.) lupina (Costa,[1836])<sup>13</sup>**

*Satyrus lupinus* Costa,[1836], *Fauna Regno di Napoli*...:[69], [311], pl.4 figs.3,4. Syntypes: Italia: Napoli: Otranto, Bosco di Guagnano.. Menidaş isimler: *lupina* Costa,[1836] Tarqilişi (sémvoli): Ae AF AL AM Ao AZ Ba B-H Cr CY CZ DZ ES FR GG GR HU Hr HV IL IQ IR IT JO KG KK LB MA MK MN PK PT Rd RU Si SK Sm Sr SS TJ TM TR UA UZ VI YU Uk Aq Ky Tm Db Aa Tk Ka Kt Ty Pw Sp Mn Or Bs Sm Kg Sau Mrk Tar DsA liD T-S SY Fauna rayonining éliminti (sémvoli): 132 21b

### **Hyponephele (s.str.) lycaon (Rottentburg,1775)**

*Papilio lycaon* Rottentburg,1775, *Naturforscher* 6: 17. Type(s): Deutschland: Brandenburg. Menidaş isimler: *lycaon* Rottentburg,1775; *#lycaon* Kuhn,1774;*eudora* Esper,1778;*janirula* Esper,1800. Tarqilişi (sémvoli): AL Ao AT Ba BG BY CH CN CZ DE EE ES FI FR GR HU li IT KG Ku LT LV PL PT RO RU Si SK Sm So Sr TR UA Ui Uk VI YU SY At Kts Kuz Sau Mrk Tar Ter KuA TrA DsA Ket Ax Fauna rayonining éliminti (sémvoli): 132 11d

### **Hyponephele (s.str.) przhewalskyi Dubatolov, Sergeev & Zhdanko,1994**

*Hyponephele przhewalskyi* Dubatolov, Sergeev & Zhdanko,1994, *Atalanta* 25 (1/2): 171-176, figs. 1a-c, 2. Holotype ♂: Kyrgyzstan: Issyk Kul, Przhewalsk (BIN). Menidaş isimler: *przhewalskyi* Dubatolov, Sergeev & Zhdanko,1994 Tarqilişi (sémvoli): KK KG Ik DsA TrA KuA Tk Fauna rayonining éliminti (sémvoli): 142 33\*

### **Hyponephele (s.str. (Caspinephele)) dysdora (Lederer,1869)<sup>14, 15</sup>**

*Epinephele dysdora* Lederer,1869, *Horae Soc. ent. ross.* 6: 85-86. Syntypes ♂♂: [Iran]: Persien: Astrabad. Lectotype ♂: "adschyabad" (designated by Lukhtanov,1994, *Herbipoliana* 3: 127 (ZMHUB). Menidaş isimler: *dysdora* Lederer,1869 Tarqilişi (sémvoli): TJ AF CN IR TM Ui Aa Db KG KK Ky Tk T-S Ax Tm DsA Ket Bog Tu KuA TrA Sau Tar Sju T-I Fauna rayonining éliminti (sémvoli): 142 31

### **Hyponephele (s.str. (Ereminephele)) fusca (Stshetkin,1960)<sup>16</sup>**

<sup>13</sup> *Hyponephele lupina* türü Cenubi Yavropadin Orta Asiyeye qeder tarqilidu. Şerqi Cenubi Qazaqıstan (İli Deryasi Vadisidiki) populyasyonliri Lukhtanov & Lukhtanov (1994) ge köre nominat kencitür, Tusov (1997) ge köre *intermedia* Stgr. kencitürige aittur. Heyne (1894) İli Deryasi Vadisidin *turanica* kencitürini isimlendürge ve bunung *lupina*'ğa qariğanda qanitining üst yüzining téximu qeniq rengde ikenligini yazğan. Tusov (1997) diki kitavida *turanica*'ni *intermedia*'ning sinonimi dep qarimaqta. Heqiqeten *turanica*, *lupina* bilen sinonimmu yaki *intermedia* bilen sinonimmu ve yaki üçinci bir éhtimalliq, başqa bir kencitürning ismimu, bu heqte tekşürtüş ve tetqiqatlırimiz davam qilmaqta. Yuqurida otturğa qoyulğan mesililerni yéşişte *turanica*'ğa ait kéreklik tip evrişkiliri yoqulup ketkenliktin, bu maqalimizda *turanica* üçün bir neotip tallap çiqtuq. Sözi éytilğan üç taksonning sélishturmisi ve muhakimisi ayrim bir maqalida qolğa élinmaqçı.

<sup>14</sup> Section. *Caspinephele* n. sect.- Type-species: *Epinephele dysdora* Lederer,1869. Erkek képinekning aldinqi qanitining üstidiki sağıuç kereşinivay merkizi dağ tereqqi qilğan. İkki tal qara rengdiki post-diskal dağ ve cinsiy dağ hélila tereqqi qilğan. Aldinqi qanatning astidiki post-diskal dağ peqet apikal qisimda bir talla. Arqa qanatning üstünki qismi qoyuq kereşinivay, sirtqi girvigi dolqun şeklida, anal lob tereqqi qilğan. Arqa qanatning astinqi kismidiki oçuq rengdiki post-diskal zig-zığning içki girvigi qaramtul rengde. Anal qisimda 2 tal qara renglik dağ mevcut. Bu grup öz içige alğan türler tövendikidek: *murzini* Dubatolov,1989, *tristis* (Groum-Grshimailo,1893), *dysdora* (Lederer,1869), *prasolovi* Lukhtanov,1990.

<sup>15</sup> *Hyponephele dysdora* Şerqi Cenubi Anatoliyedin Tengri Tağliriğa qeder tarqalğan bir tür bolup, nominat kencitürü Şerqi Anatoliye ve İranda tarqiliş körsetmekte. Lukhtanov & Lukhtanov (1994) Şerqi Cenubi Qazaqıstandiki populyasyonlirini *dysdorina* dep békikten. Lékin, Samodurov ve hizmetdaşliri (1996), bolsa, bu rayondiki populyasyonlarning nominat kencitürdin perqliq ikenligini qobul qilsimu, bu periqni bekmu muhim dep qarimiğan. Şundaqla, türning Özbekistan, Pamir ve Şerqi Cenubi Türkmenistandiki populyasyonlirini *dysdorina* dep qobul qilğan. Bu ehval astida *dysdorina* ismi türning ikki perqliq rayondiki kencitürleri üçün işlitilmekte. Bu çigiş mesilining sevebi *dysdorina*'ning tip evrişkilirining yoqap ketkenligidin peyda bolmaqta. Biz maqalimizda mesilini yéşiş meqsitide *dysdorina* kencitürü üçün bir neotip talliduq. Bunung bilen Şerqi Cenubi Qazaqıstandiki populyasyonlar Lukhtanov (1994)ning éytqinidek *dysdorina* dep békildi. Tacikistan ve Özbekistandiki *dysdorina* populyasyonliri üçün, yéngi bir isim teklip qilindi. Bu neotip ve yéngi isim bilen munasivetlik téxnikiplik ipadiler tövende körsitildi. Neotip ♂ Kazachstan: Uighur Raion, Ili-valley, 800m 12 7 1999 M.Kemal & A.Koçak leg. (in coll.Cesa).

*Hyponephele (s.str. (Caspinephele)) dysdora* ssp. *iparkhan* nomen novum pro *Hyponephele dysdora* ssp. *dysdorina* sensu Samodurov et al.,1996 nec Rühl,1894. Holotip ♂ *Atalanta* 27 (1/2): 460-461, Farbtafel vi Abb.3,3A "Peter-I Gebk., Darai-Nasarak 1750m, 9 vii 1980 leg. et coll. G.Samodurov.

<sup>16</sup> Section. *Ereminephele* n. sect.- Type-species: *Hyponephele huebneri* Koçak,1980. Erkek képinekning aldi qanitining üstidiki sağıuç - kereşinivay merkizi dağ tereqqi qilğan. Qara rengdiki post-diskal dağ her ikkila terepte peqet apikal qisimdila mevcut. Cinsiy dağ qara rengde, lentığa oxşaş bolup, nahayitimu tereqqi qilğan. Arqa qanat kereşinivay, sirtqi girvigi dolqun şeklida çişliq. Anal lob bekmu éniq emes. Arqa qanatning üstünki yüzide külrengge mayil kereşinivay lénta şeklidiki bizek tereqqi qilğan. Bu grup öz içige alğan türler tövendikidek: *capella* (Christoph,1877), *fusca* (Stshetkin,1960), *huebneri* Koçak,1980, *naricina* (Staudinger,1870), *naricoides* Gross,1977.

*Epinephele narica* ssp. *fusca* Stshetkin, 1960, Trudy inst. zool. parazitol. Tadzhik SSR 19: 99. Holotype: S. Tadzhikistan: lower part of Vakhsh River, Mt. Buritau. Menidaş isimler: *fusca* Stshetkin, 1960 Tarqilişi (sémvoli): TJ Bgr BI KG KK Koj Mtz Mur PK RU Uk VI Fauna rayonining éliminti (sémvoli): 142 31\*

### **Hyponephele (s.str. (Ereminphele)) huebneri Koçak, 1980**

*Hyponephele huebneri* Koçak, 1980, Nota lepid. 2 (4): 140 (nomen novum pro *Papilio narica* Hübner, [1813] nec Fabricius, 1793). Type(s): unknown, probably lower Wolga. Menidaş isimler: *narica* Hübner, [1813] nec Fabricius, 1793; *huebneri* Koçak, 1980 Tarqilişi (sémvoli): AF CN Ui Bgr BI KG Ao Sau Mn Tk KK Koj Mtz Mur PK RU Uk VI MN UZ IR PK IN RU DsA At Ssn Ii Aa Fauna rayonining éliminti (sémvoli): 142 32\*

### **Hyponephele (s.str. (Ereminphele)) naricina (Staudinger, 1870)**

*Epinephele naricina* Staudinger, 1870, Berl. ent. Z. 14: 100-101. Syntypes ♂♂ ♀♀: [Kasachstan]: Mangyschlak. Lectotype ♂: "Mangyschlak" (designated by Lukhtanov, 1994, Herbiopoliana 3: 126 (ZMHUB)). Menidaş isimler: *naricina* Staudinger, 1870 Tarqilişi (sémvoli): Tm KuA Sau Bkb Ktm Tar At Aa CN KG KK Ky Mg Sp Tk TM T-S Ui TR Fauna rayonining éliminti (sémvoli): 142 31\*

### **Maniola jurtina (Linnaeus, 1758)**

*Papilio jurtina* Linnaeus, 1758, Syst. Nat. (Edn. 10) 1: 475. Syntypes: Europa, Africa; [Sweden (Verity, 1953)]. Menidaş isimler: *jurtina* Linnaeus, 1758; *janira* Linnaeus, 1758; *lemur* Schrank, 1801. Tarqilişi (sémvoli): Ae AL AM Ao AT AZ Ba BE BG B-H Bw BY Cc CH Co Cr CZ DE DK EE ES FI FR GB GG GR HU HV IE IQ IR IT Kr LT LU LV MK MT NL NO PL PT RO RU Sa SE Si SK Sm So Sr SS TM TR UA VI YU Cw Dv Smt H-W Sur Ssx Ken PT Cn MA DZ TN ES MT F66 Sr Sm Or Bs Cb Tt So Ao KG Uk Fauna rayonining éliminti (sémvoli): 132 21a

### **Coenonympha amaryllis (Stoll, [1782])**

*Papilio amaryllis* Stoll, [1782], [in] Cramer, Utit. Kapellen 4: pl. 391, figs. A, B. Menidaş isimler: *amaryllis* Stoll, [1782] Tarqilişi (sémvoli): At Kts Ba Bry CN MN RU Ts Or Om KG Kt Uk Ka Pw Mn Sp Tk Mrk Sau Ze Tar Fauna rayonining éliminti (sémvoli): 132 31b

### **Coenonympha glycerion (Borkhausen, 1788)**

*Papilio glycerion* Borkhausen, 1788, Naturg. eur. Schmett. 1: 90-91. Type(s): Süddeutschland. Menidaş isimler: *iphis* [Denis & Schiffermüller], 1775 nec Drury, 1773; *amyntas* auctorum; *glycerion* Borkhausen, 1788; *hero* Fabricius, 1793 nec Linnaeus, 1761; *manto* Schrank, 1801; *mandane* Kirby, 1862; *tiphonides* Staudinger, 1901. Tarqilişi (sémvoli): AT Kts Aty Ba BE BG BY CH CN CZ DE EE ES FI FR GR HU IT LT LV MN PL RO RU SK Sm So Sr TR UA Ui VI YU Uk Or Bs Cb Kg Om At Kw Pp KG Kb KG Mn No Sau Tar Sp Nym Bkb Cm Fauna rayonining éliminti (sémvoli): 132 21a\*

### **Coenonympha hero (Linnaeus, 1761)**

*Papilio hero* Linnaeus, 1761, Fauna Suecica: 274. Type(s): Südschweden. Menidaş isimler: *hero* Linnaeus, 1761; *sabaeus* Fabricius, 1775. Tarqilişi (sémvoli): Am At Kts AT Ba BE BY CH CZ DE DK EE FI FR Ir KP KR LT LU LV MN NL NO PL RU Sb SE SK So Sr UA Us Bs Cb Or Tt Kg KG Sp Mn Om No Klb Tv Fauna rayonining éliminti (sémvoli): 122 1

### **Coenonympha mahometana Alpheraky, 1881**

*Coenonympha iphis* var. *mahometana* Alpheraky, 1881, Horae Soc. ent. ross. 16: 428-429. Syntypes ♂♂ ♀♀: [China: Uighur A.R.]: Kounguesse [Künes], 4000-7000ft. Menidaş isimler: *mahometana* Alpheraky, 1881; *?decolorata* Wagner, 1913. Tarqilişi (sémvoli): Aa CN KG KK Ku Tk T-S Ui Tyk DsA TeA Tu KuA TrA Fauna rayonining éliminti (sémvoli): 142 33\*

### **Coenonympha mongolica Alpheraky, 1881**

*Coenonympha mongolica* Alpheraky, 1881, Horae Soc. ent. ross. 16: 426-428, Taf. 15 fig. 26. Syntypes ♂♂ ♀♀: [China: Uighur A.R.]: Kouldja. Menidaş isimler: *mongolica* Alpheraky, 1881 Tarqilişi (sémvoli): CN KG Ku Tk Ui Trd IiD Fauna rayonining éliminti (sémvoli): 142 35

\*. Section. *Coenonephele* n. sect.- Type - species: *Epinephele coenonympha* Felder & Felder, [1867]. - Erkek képinekning üstünki yūzi kereşinivay, peqet apikal qisimining post-diskal qismidila qara renglik dağ az tereqqi qilğan. Arqa qanatning astinқи yūzide basal ve post-diskal qisimdiki sūtreng tuxum şeklidiki bizekler bu tūrni başqa yēqin tūrlerdin asan ayrip turidu. Çişi képinekning üstünki yūzide ikki post-diskal bizek her ikkila yūzde tereqqi qilğan bolup, etrapı sağuç renglik. Arqa qanatning astinқи yūzi erkek képinekningki bilen oxşaş.

\*\*. Section. *Orientinephele* n. sect.- Type - species: *Epinephele pulchella* Felder & Felder, [1867]. - Erkek képinekning aldi qanitining üstidiki sağuç - kereşinivay merkizi dağ, nahayiti tereqqi qilğan. Peqet, qanatning apikal qismi ve sirtқи girvigila kereşinivay. Qara renglik post-diskal dağ her ikkila terepning apikal kismidila mevcut. Cinsiy dēği yok. Arqa qanat kereşinivay, sirtқи girvigi biliner - bilinmes dolqun şeklida, astinқи teripide külrengge mayil kereşinivay tengiçiler tertipsiz bir tüzülüş şekillendürgen. Bu grup öz içige alğan tūrler tövendikidek: *carbonelli* Lukhtanov, 1995, *difficilis* Clench & Shoumatoff, 1956, *kashmirensis* (Heyne, [1894]), *mussitans* Clench & Shoumatoff, 1956, *pulchella* (Felder & Felder, [1867]), *pulchra* (Felder & Felder, [1867]).

\*\*\*. Section. *Turaninephele* n. sect.- Type - species: *Epinephele davenporti* Moore, 1865. Erkek képinekning üstünki yūzi sağuç - kereşinivay bolup, peqet aldinқи ve sirtқи girveklirilä kereşinivay rengde. Postdiskal qaramtul dağ peqet, apikal qismidila mevcut. Cinsiy dağ şekil cohetin *lupina* ningki bilen oxşaş. Arqa qanat kereşinivay, sirtқи girvigi hēlila tereqqi qilğan çişliq tüzülüşte, astinқи yūzide bolsa, postdiskal sızıq ve qara renglik dağlar tereqqi qilğan bolup, bular arasida anal qismidikiler hēlila çong. Çişisining üstünki yūzide ikki dane post diskal qara dağ tereqqi qilğan. Bundin başqa üstünki qismida kereşinivay postdiskal bir sızıqınu mevcut. Arqa qanatning üstünki ve astinқи yūzliri erkektikige oxşaş. Bu grup öz içige alğan tūrler tövendikidek: *argyrostigma* Tusov & Samodurov, 1997, *brevistigma* (Moore, 1892), *davenporti* (Moore, 1865), *comara* (Lederer, 1871), *issykkuli* Samodurov, 1996, *korshunovi* Lukhtanov, 1995, *tenuistigma* (Moore, 1892), *urartua* De Freina & Aussem, [1987], *wagneri* (Herrich-Schäffer, [1846]).

### **Coenonympha nolckenii Erschoff,1874**

*Coenonympha nolckenii* Erschoff,1874, [in] Fedtschenko, Reise in Turkestan 2(5) 3: 23, Taf.2 fig.17. Syntypes: Russisch-Turkestan: Berge Naubid, 4500-8000ft. Menidaş isimler: nolckenii Erschoff,1874 Tarqilişi (sémvoli): KG Fe KK UZ Ax Tls Kst Fauna rayonining éliminti (sémvoli): 142 33

### **Coenonympha oedippus (Fabricius,1787)**

*Papilio oedippus* Fabricius,1787, Mant. Ins. 2: 31. Type(s): Russia australiori. Menidaş isimler: oedippus Fabricius,1787; oedippe Borkhausen,1789; burdigalensis Pionneau,1937; herbuloti Varin,1952; sebrica Varin,1952; aquitanica Varin,1952; rhodanica Varin,1964; senonica Varin,1966. Tarqilişi (sémvoli): Am AT Ba BG BY CH DE FR HU IT JP KP KR MN PL RU Sb SS UA MN Sb Or Bs Tt Cb Ty Om At No KG Mn Sp Pp Fauna rayonining éliminti (sémvoli): 132 11b

### **Coenonympha pamphilus (Linnaeus,1758)**

*Papilio pamphilus* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 472. Type(s): Suecia. Menidaş isimler: pamphilus Linn.,1758;menalcas Poda,1761;nephele Hfn.,1766; lyllus Esp.,1805; marginata Heyne,1894;orantia Fruhst.,1908; scota Vrt.,1911; infrarasa & juldusica & asiaemontium & euxina & posteuxina Verity,1926; londonii Vrt.,1926; neolyllus Lattin,1950. Tarqilişi (sémvoli): Aa AL AM Ao Aq AT Aty AZ Ba BE BG B-H Bs BY Cb CH CN Co CZ Db DE Dg DK EE ES Fe FI FR Ga GB GG GR HU HV IQ IR IT Ju KG Kg KK Kr Ku Kw Ky LB LT LU LV MK Mn NL NO Or PL Pp Ps PT Pw Rk RO RU Sa SE Si SK Sm So Sp Sr SS Tk Tm TM TR T-S Tt UA Ui Uk UZ VI YU DZ IE MA MT Om TN Ty DsA Tar Sau Tar TrA Mrk Cw Dv Smt H-W Sur Ssx Ken Fauna rayonining éliminti (sémvoli): 132 2a

### **Coenonympha sunbecca (Eversmann,1843)**

*Hipparchia sunbecca* Eversmann,1843, Bull. Soc. Nat. Moscou 16: 538, t.7 figs.4a,b. Syntypes: [Kasachstan: Dschungarischer Alatau] "Noor-Saisan (patria err.) (Lukhtanov,1994, Herbipoliana 3: 83). Menidaş isimler: sunbecca Eversmann,1843 Tarqilişi (sémvoli): Ax Bc CN Fe KG KK Mn T-S T-S Ui UZ Tk DsA Ket TrA Tu KuA TeA Na T-A Tls Al Fauna rayonining éliminti (sémvoli): 142 33

### **Coenonympha tullia (Müller,1764)**

*Papilio tullia* Müller,1764, Fauna insectorum Fridrichsdalina: 36. Type(s): [Dänemark]: Fridrichsdal [Seeland]. Menidaş isimler: tullia Müller,1764; isis Thunberg & Becklin,1791. Tarqilişi (sémvoli): AT Kts BE BY CH CZ DE DK See EE FI FR GB HU IE IT KK LT LV NL NO PL RO RU Kb SE SK UA YU B-H Cb Bs Sb Ur Ty Om No To Fe KK UZ At KG Mn RU Tk Sb Sj Sp Sau Tar Tkl Tls Kur Ax Ug Dj Sem Tk Tyk DsA KuA TrA Ket KG CN Ui Ga Fauna rayonining éliminti (sémvoli): 121 1

### **Lyela myops (Staudinger,1881)**

*Erebia myops* Staudinger,1881, Stettin ent. Ztg. 42: 296-297. Syntypes 3♂: [Kasachstan]: [Dschungarischer] Ala Tau. Menidaş isimler: myops Staudinger,1881 Tarqilişi (sémvoli): Bl Gw IR KG Koj Mac Mg PK Qu Sp Tk TM Urk UZ Zh Kpt Tar DsA Bkb Fauna rayonining éliminti (sémvoli): 142 32

### **Triphysa phryne (Pallas,1771)**

*Papilio phryne* Pallas,1771, Reise durch die verschiedenen Provinzen des russischen Reiches 1: 470. Menidaş isimler: phryne Pallas,1771 Tarqilişi (sémvoli): Ao At Ba CN Ir KG Kl RU Sm Sr TR T-S Ui Uk VI Gj Aq Sp Bkb Ktm Sau Mrk Tar DsA TrA Aa Tk Mn Fauna rayonining éliminti (sémvoli): 142 31

### **Crebeta deidamia (Eversmann,1851)**

*Hipparchia (Pararga) deidamia* Eversmann,1851, Bull. Soc. imp. Nat. Moscou 24 (2): 617. Syntypes: Russia: "le gouvernement d'Irkoutsk de la Sibirie orientale". Menidaş isimler: deidamia Eversmann,1851 Tarqilişi (sémvoli): Am At Kts CN Ir JP KP MN RU Ui Ur Us KG Mn Bs Om Sb Fauna rayonining éliminti (sémvoli): 132 31a

### **Esperarge eversmanni (Eversmann,1847)**

*Hipparchia eversmanni* Eversmann,1847, Bull. Soc. Nat. Moscou 20(3): pl.2 figs.5,6. Syntypes: [? Kasachstan: Dschungarischer Alatau (cf. Lukhtakov & Lukhtanov,1994, Herbipoliana 3: 75)]. Menidaş isimler: eversmanni Eversmann,1847 Tarqilişi (sémvoli): AF Ch Ci CN Ju KG KK Sem Tk Ui DsA Ket TeA KuA TrA Tu Ax Syr Tm T-S Ku Fauna rayonining éliminti (sémvoli): 142 35

### **Lasiommata maera (Linnaeus,1758)**

*Papilio maera* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 473. Type(s): Suecia (vide Linnaeus,1746 Fauna Suecica (1): 238). Menidaş isimler: maera Linnaeus,1758; pandion Poda,1761; hiera Fab.,1777; maja Fuchs,1873; monotonia Schilde,1885; crimea Bang-Haas,1907; atabryris Fruhstorfer,1909. Tarqilişi (sémvoli): Ae AL AM At AT AZ Ba BE BG B-H Bs BY Cb CH Cr CY CZ DE DK EE ES FI FR GG GR HU HV IL IT KG Kg Kr Kw LB LT LU LV MK Mn NL No NO Om Or PL Pp PT Rd RO RU SE Si SK Sm So Sp Sr SS Tk TR Tt Ty UA Uk VI YU At Sau Mrk Tar DsA Cb Kg Pp Kw Ty Pw SY Sb Fauna rayonining éliminti (sémvoli): 132 21b

### **Lasiommata menava Moore,1865**

*Lasiommata menava* Moore,1865, Proc. zool. Soc. Lond. 56: 499, Pl.30 fig.3. Syntypes: [India]: Kunawur, Pang, Rarung (in BMHN). Menidaş isimler: menava Moore,1865; nasshreddini Christoph,1877 Tarqilişi (sémvoli): AF Bl Ch Ci Gg Hp IN IQ IR Knw Kp Ld PK TJ TM TR KK KG Ax Syr Tm Fauna rayonining éliminti (sémvoli): 142 34

### **Lopinga achine (Scopoli,1763)**

*Papilio achine* Scopoli,1763, Ent. carn.: 156. Type(s): Kärnten. Menidaş isimler: achine Scopoli,1763; deianira Linnaeus,1764; mendelensis Lowe,1904. Tarqilişi (sémvoli): AT Ba BE BG BY CH CZ DE EE ES FI FR HU Ir IT LT LV NL PL RO RU SE SK Sm So Sr UA YU KG MN Or Sm Sr Bs Tt So Kg Ty Om No At Kts Mn Sp Pw Sb Fauna rayonining éliminti (sémvoli): 132 11b

## RIODINIDAE (1 species)

### **Polycæna tamerlana Staudinger, 1886**

*Polycæna tamerlana* Staudinger, 1886, *Stettin ent. Ztg.* 47: 227. Syntypes: [Kirgizistan]: Osch; [Usbekistan]: Alai, Namangan. Menidaş isimler: *tamerlana* Staudinger, 1886 Tarqilişi (sémvoli): AF CN KG KK Ku PK TJ Tk T-S Ui UZ Tyk TeA TrA KuA Ax Fauna rayonining éliminti (sémvoli): 142 34

## LYCAENIDAE (106 species)

### **Quercusia quercus (Linnaeus, 1758)**

*Papilio quercus* Linnaeus, 1758, *Syst. Nat. (Edn. 10) 1*: 482. Type(s): [England (Verity, 1943)]. Menidaş isimler: *quercus* Linnaeus, 1758 Tarqilişi (sémvoli): AL AM Ao AT AZ Ba BE BG B-H BY CH Cr CY CZ DE DK DZ EE ES FI FR GB GG GR HU HV IE IQ IR IT KG LB Le LT LU LV MA MK NL NO PL PT Rd RO RU Sa Sms SE Si SK Sm So Sr SS TR UA Uk VI YU Cw Dv Smt H-W Sur Ssx Ken Fauna rayonining éliminti (sémvoli): 132 22a

### **Thecla betulæ (Linnaeus, 1758)**

*Papilio betulæ* Linnaeus, 1758, *Syst. Nat. (Edn. 10) 1*: 482. Type(s): [Sweden (Verity, 1947)]. Menidaş isimler: *betulæ* Linnaeus, 1758; *apelles* De Villers, 1789; *spinosa* Gerhard, [1850]. Tarqilişi (sémvoli): Ao At AT Ba BE BG BY CH CN CZ DE DK EE ES FI FR GB GR HU IE IT KG LT LU LV NL NO PL PT RO RU SE SK Sm So Sr TR UA Ui Uk VI YU Cw Dv Smt H-W Sur Ssx Ken Om No Kg Mn Sp Tk Kuz Sli Sau Tar Ku Fauna rayonining éliminti (sémvoli): 132 11b

### **Ahlbergia arquata Johnson, 1992**

*Ahlbergia arquata* Johnson, 1992, *Neue ent. Nachr.* 29: 27. Holotype: "E. Turkestan: Rietschensk" [?Kazachstan: Semiretschje] (cf. Lukhtanov, 1994, *Herbipoliana* 3: 231). Menidaş isimler: *arquata* Johnson, 1992 Tarqilişi (sémvoli): KG? Fauna rayonining éliminti (sémvoli): ?<sup>17</sup>

### **Ahlbergia frivaldskiyi (Lederer, 1855)**

*Thecla frivaldskiyi* Lederer, 1855, *Verh. zool.-bot. Ver. Wien* 5: 100, *Taf. 1 f. 1*. Syntypes: [Russia: Altai]: "Berge in der Nähe von Ust-Buchtarminsk". Menidaş isimler: *frivaldskiyi* Lederer, 1855 Tarqilişi (sémvoli): Buc Am At CN KG Kmt Mc Mn Om RU Sb Sh Sp To Ty Us Kuz Sli Fauna rayonining éliminti (sémvoli): 132 32b

### **Callophrys rubi (Linnaeus, 1758)**

*Papilio rubi* Linnaeus, 1758, *Syst. Nat. (Edn. 10) 1*: 483. Type(s): [Sweden (Verity, 1943)]. Menidaş isimler: *rubi* Linnaeus, 1758 Tarqilişi (sémvoli): Ae AL AM At AT AZ Ba BE BG BY CH CN Co CZ DE DK EE ES FI FR GB GG GR HU IE IQ IR IT KG Kp LB LT LU LV MK NL NO PL PT Rd RO RU Sa SE Si SK Sm So Sr TM TR UA Ui Uk VI YU Cw Dv Smt H-W Sur Ssx Ken MA DZ TN TrA Sau Tar DsA Fauna rayonining éliminti (sémvoli): 132 11b

### **Callophrys suaveola (Staudinger, 1881)**

*Thecla rubi* var.? *suaveola* Staudinger, 1881, *Stettin ent. Ztg.* 42(7/9): 279-280. Syntypes 4♂: Lepsa, Saisan. Lectotype ♂: [Kasachstan]: Lepsa [Dschungarischer Alatau] (designated by Bernardi, 1964: 276). Menidaş isimler: *suaveola* Staudinger, 1881 Tarqilişi (sémvoli): Aa AF ALb IR KG Ky Sp SY Tk TR DsA Nym SAT Bkb Mrk TrA Tm Sau Ktm Lps Fauna rayonining éliminti (sémvoli): 142 33

### **Callophrys titanus Zhdanko, 1998**

*Callophrys titanus* Zhdanko, 1998, *Vestn. Kaz. Univ.* 6: 46-47, fig. 2. Holotype ♂: Kazachstan: 175km westl. Alma-Ata, Zhetyzhol Mts. Menidaş isimler: *titanus* Zhdanko, 1998 Tarqilişi (sémvoli): KG Ota TrA Fauna rayonining éliminti (sémvoli): 142 33\*

### **Neolycaena (Rhymnaria) eckweileri Lukhtanov, 1993**

*Neolycaena eckweileri* Lukhtanov, 1993, *Atalanta* 24: 65, figs. Holotype ♂: Kasachstan: Dschungarischer Alatau: Dshalanaschkol (175km E. Sharkent). Menidaş isimler: *eckweileri* Lukhtanov, 1993 Tarqilişi (sémvoli): Aa KG Tk Alk Aem DsA Fauna rayonining éliminti (sémvoli): 142 33\*

### **Neolycaena (Rhymnaria) iliensis (Groum-Grshimailo, 1891)**

*Lycaena tengstroemi* var. *iliensis* Groum-Grshimailo, 1891, *Horae Soc. ent. ross.* 25: 452. Syntypes: [China]: Ili: Sujdun [Süydong]. Menidaş isimler: *iliensis* Groum-Grshimailo, 1891 Tarqilişi (sémvoli): CN Ii KG Tk Ui Alk Fauna rayonining éliminti (sémvoli): 142 33\*

### **Neolycaena (Rhymnaria) rhymnus (Eversmann, 1832)**

*Lycaena rhymnus* Eversmann, 1832, *Nouv. Mém. Soc. nat. Moscou* 2: 350, pl. 19 figs. 1, 2. Lectotype ♂: Russia: Wolga Gebiet, Sergievsk (designated by Zhdanko, 1983, *Ent. Obozr.* 62(1): 150). Menidaş isimler: *rhymnus* Eversmann, 1832 Tarqilişi (sémvoli): Aq At Ba KG RU Sm So Sr Uk VI Buc Nym Ktm Bkb Ssn Tar Sau Mn Gj Fauna rayonining éliminti (sémvoli): 142 32

### **Neolycaena (Rhymnaria) rufina Lukhtanov, 1994**

<sup>17</sup> Tarqilişi bilen munasivetlik melumatlar yéterlik bolmiğanliki üçün, bu maqalida türning qaysu fauna rayoniğa ait élimint ikenligi békítildi.

*Neolycaena rufina* Lukhtanov, 1994, *Atalanta* 25 (1/2): 200-202, Taf. Holotype ♂: Kasachstan: Dshungarischer Alatau, Katatau-Gebirge, Koibyn-Tal, 60km W. Dsharkent, 1000m. Menidaş isimler: *rufina* Lukhtanov, 1994 Tarqilişi (sémvoli): KG Tk DsA Fauna rayonining éliminti (sémvoli): 142 33\*

#### **Neolycaena (Rhymnaria) submontana Zhdanko, 1994**

*Neolycaena submontana* Zhdanko, 1994, *Selevinia* 1: 74. Holotype ♂: Kazachstan: Almaty, Zailisky Alatau. Menidaş isimler: *submontana* Zhdanko, 1994 Tarqilişi (sémvoli): KG Aa TrA Mn KK Sau Osh Fauna rayonining éliminti (sémvoli): 142 33\*

#### **Neolycaena (Rhymnaria) tengstroemi (Erschoff, 1874)**

*Lycaena tengstroemi* Erschoff, 1874, [in] Fedtschenko, *Reise in Turkestan* 2(5) 3: 11, Taf. 1 fig. 8. Syntypes: [Kasachstan]: in der Kisilkum Wüste, am Syr-Darja. Menidaş isimler: *tengstroemi* Erschoff, 1874 Tarqilişi (sémvoli): KG At Nym Ktm Bkb Mrk Sau SdA Ket Bog KuA TrA Ax Tm KK Mg DsA Fauna rayonining éliminti (sémvoli): 142 35

#### **Neolycaena (s.str.) sinensis (Alpheraky, 1881)**

*Lycaena sinensis* Alpheraky, 1881, *Horae Soc. ent. ross.* 16: 383, pl. 14 fig. 7. Syntypes: [China: Uighur A.R.]: Kuldja. Menidaş isimler: *sinensis* Alpheraky, 1881; *yiliensis* Murayama, 1992. Tarqilişi (sémvoli): CN KK Ku T-S Ui Aem DsA Ket TeA KuA KG Um Fauna rayonining éliminti (sémvoli): 142 35

#### **Satyrium (Nordmannia) acaciae (Fabricius, 1787)**

*Papilio acaciae* Fabricius, 1787, *Mant. Ins.* 2: 69. Type(s): Russia australiori. Menidaş isimler: *acaciae* Fabricius, 1787; *nostras* Courvoisier, 1913; *guichardi* Higgins, 1965. Tarqilişi (sémvoli): AL AT Ba BE BG B-H BY CH Cm Cr CZ DE ES FR GR HU HV IT LU MK PL RO RU SK Sm Sr SS TR UA VI YU Ur KG Aq Fauna rayonining éliminti (sémvoli): 132 23c

#### **Satyrium (Strymonidia) pruni (Linnaeus, 1758)**

*Papilio pruni* Linnaeus, 1758, *Syst. Nat. (Edn. 10)* 1: 482. Type(s): [Europa]. Menidaş isimler: *pruni* Linnaeus, 1758 Tarqilişi (sémvoli): AT Ba BG BL BY CH CZ DE DK EE ES FI FR GB HU HV IT KG LT LU LV MK NL PL RO RU SE SK Sm So Sp Sr SS UA VI YU At Ktm Ur Mc Am Fauna rayonining éliminti (sémvoli): 132 11b

#### **Satyrium (Strymonidia) prunoides (Staudinger, 1887)**

*Thecla prunoides* Staudinger, 1887, [in] Romanoff, *Mém. lépid.* 3: 129, Taf. 6 figs. 1a-b. Syntypes: Russia: "Wladiwostok". Menidaş isimler: *prunoides* Staudinger, 1887 Tarqilişi (sémvoli): KG Mn Nym At Kts MN RU Us Sb Am Pr Mc KP No Kuz Sli NAT Wat SAT CAT Fauna rayonining éliminti (sémvoli): 132 32a

#### **Satyrium (Strymonidia) spini (Fabricius, 1787)**

*Papilio spini* Fabricius, 1787, *Mant. Ins.* 2: 68. Syntypes: Germania. Menidaş isimler: *#spini* [Denis & Schiffermüller], 1775; *lynceus* Esper, [1779] *nec* Drury, 1773; *spini* Fabricius, 1787; *cerasi* Herbst, 1804 *nec* Fabricius, 1787; *melantho* Klug, 1834; *#albosparsa* Oberthür, 1910; *anatolicus* De Lattin, 1950. Tarqilişi (sémvoli): AF AL AM AT AZ Ba BE BG BY CH CZ DE ES FR GG GR HU IQ IR IT KG Kp LB Le LT LU PL PT RO RU SK Sm So Sr TM TR UA Uk VI Fauna rayonining éliminti (sémvoli): 132 12c

#### **Satyrium (Strymonidia) w-album (Knoch, 1782)**

*Papilio w-album* Knoch, 1782, *Beitr. Insecten-Geschichte* 2: 85, Tab. 6 figs. 1, 2. Syntypes: [Germany]: Leipzig bei Schwickert. Menidaş isimler: *w-album* Knoch, 1782; *cerasi* Fabricius, 1787; *majuscula* Jachontov, 1911. Tarqilişi (sémvoli): AL AM AT AZ Ba BE BG B-H BY CH Cl Cm Ct CZ DE DK EE ES FI FR GB GG GR HU HV IT KG LT LU LV MK NL NO PL RO RU SE Si SK Sm So Sr SS TR UA Uk Ur VI YU Smt H-W Sur Ssx Ken Aq Fauna rayonining éliminti (sémvoli): 132 12a

#### **Satyrium (Superflua) acaudatum (Staudinger, 1901)**

*Thecla lunulata* var. *acaudata* Staudinger, 1901, *Cat. lepid. palaearkt. Faunengeb.* 3(1): 70, nr. 470a. Syntypes: [Uzbekistan]: Fergana. Menidaş isimler: *acaudatum* Staudinger, 1901 Tarqilişi (sémvoli): KK UZ KG Tls Tm Ax Bog T-I Ket Tk Man Kor Fauna rayonining éliminti (sémvoli): 142 33\*

#### **Cigaritis epargyros (Eversmann, 1854)**

*Polyommatus epargyros* Eversmann, 1854, *Bull. Soc. imp. Nat. Moscou* 27: 178-180, f. 1, 2. Syntypes: Südl. Kirghisensteppen, Aralsee, Sir-Darja. Menidaş isimler: *epargyros* Eversmann, 1854 Tarqilişi (sémvoli): AF Aq CN Db IQ IR KG KK Kp Ky PK Tk TM Ui UZ Ii Fauna rayonining éliminti (sémvoli): 142 31

#### **Tomares callimachus (Eversmann, 1848)**

*Lycaena callimachus* Eversmann, 1848, *Bull. Soc. Nat. Moscou* 21: 208. Menidaş isimler: *callimachus* Eversmann, 1848 Tarqilişi (sémvoli): AZ Kir TR IR Ao KG RU Sr Uk VI UA Cm Tm Gj Ind Fauna rayonining éliminti (sémvoli): 142 24a

#### **Tomares fedtschenkoi (Erschoff, 1874)**

*Thestor fedtschenkoi* Erschoff, 1874, [in] Fedtschenko, *Reise in Turkestan* 2(5) 3: 8, Taf. 1 fig. 6. Syntypes: [Uzbekistan]: Samarkand. Menidaş isimler: *fedtschenkoi* Erschoff, 1874 Tarqilişi (sémvoli): KG Aa Smk UZ TJ KK Ax TrA Fauna rayonining éliminti (sémvoli): 142 33

#### **Lampides boeticus (Linnaeus, 1767)**

*Papilio boeticus* Linnaeus, 1767, *Syst. Nat. (Edn. 12)* 1(2): 789. Type(s): Barbaria [Algeria]. Menidaş isimler: *boeticus* Linnaeus, 1767 Tarqilişi (sémvoli): Ae AF AL AM AZ Az Ba BE BG BH B-H BY CH CN Co Cr CY DE DK DZ EG ES FR GG GR HU IL IN IQ IR IT JO

Kab Kbb KG KK KW LB Ld LY MA MK MN MT NL OM Pag PK Pnj PT QA Rd RO RU SA Sa Si SK Sm So Sr SW SY TJ TM  
TN TR UA UE UZ YE YU Cw Dv Smt H-W Sur Ssx Ken Cy Ao He Ket DsA Tls TrA Fauna rayonining éliminti (sémvoli): 221 1

### **Cupido (Everes) alcetas (Hoffmannsegg,1804)**

[Papilio] alcetas Hoffmannsegg,1804, Magazin Insektenk. (Illiger) 3: 205 (nomen novum pro tirsias Hübner,[1800] nec tirsias Rottemburg,1775).  
Menidas isimler: tirsias Hübner,[1800] nec tirsias Rottemburg,1775; alcetas Hoffmannsegg,1804; coretas Ochsenheimer,1808. Tarqilişi (sémvoli): AL AT Ba BG BY CH Co CZ ES FI FR GR HU IT MK RO RU SK Sm So Sr TR UA YU KG Mn Fauna rayonining éliminti (sémvoli): 132 21a

### **Cupido (Everes) argiades (Pallas,1771)**

Papilio argiades Pallas,1771, Reise durch die verschiedenen Provinzen des russischen Reiches 1:472. Type(s): Russia: Samara. Menidas isimler: argiades Pallas,1771; tirsias Rottemburg,1775; amyntas [Denis & Schiffermüller],1775 nec Poda,1761; irenae Dujardin,1974. Tarqilişi (sémvoli): AL Ao Am At AT Ba BE BG BY CH CN CZ DE EE ES FI FR GB GG GR HU Ii IT Ku LT LU LV MK NL PL RO RU SE Si SK Sm So Sr TR UA VI YU KG Or Bs Cb Ty Kw Om Pw Sp Mn No To Kuz Sli Tar SI BT JP Fauna rayonining éliminti (sémvoli): 211 2

### **Cupido (Everes) decolor (Staudinger,1886)**

Lycaena argiades var. decolor Staudinger,1886, Stettin ent. Ztg. 47: 203. Syntypes ♂♀: [Usbekistan]: Margelan. Menidas isimler: decolor Staudinger,1886 Tarqilişi (sémvoli): KG Tk UZ Man TM Ii Sju Fauna rayonining éliminti (sémvoli): 142 31\*

### **Cupido (s.str.) buddhista (Alpheraky,1881)**

[Lycaena] buddhista Alpheraky,1881, Horae Soc. ent. ross. 16: 393-395, Taf. 14 figs. 9, 10. Syntypes ♂♀: [China]: Kuldja, 7000ft. Menidas isimler: buddhista Alpheraky,1881; balinti D'Abrera,1993 Tarqilişi (sémvoli): Aa CN KG KK Ku Tk Ui Ket Tu TeA KuA TrA DsA Sau Fauna rayonining éliminti (sémvoli): 142 33\*

### **Cupido (s.str.) minimus (Fuessly,1775)**

Papilio minimus Fuessly,1775, Verzeichniss der ihm bekannten Schweizerischen Insekten: 31. Type(s): Schweiz. Menidas isimler: minimus Fuessly,1775; alsus [Denis & Schiffermüller],1775; pseudolus Bersträßer,[1779]; puer Schrank,1801. Tarqilişi (sémvoli): AL At Kts AT Ba BE BG BY CH CZ DE DK EE ES FI FR GB GR HU IE IT KK LT LU LV MK NL NO PL PT RO RU SE Si SK Sm So Sr TR UA VI YU Cw Dv Smt H-W Sur Ssx Ken KG Uk Cb Kt Kw Om No Pw Sp Mn Bs Sau Fauna rayonining éliminti (sémvoli): 132 11b

### **Cupido (s.str.) osiris (Meigen,[1829])**

Polyommatus osiris Meigen,[1829], Syst. Besch. eur. Schmett. 2:7, pl.46, figs. 3a,b. Menidas isimler: osiris Meigen,[1829]; saportae Duponchel,1832; violacea Verity,1911; sebrus Boisduval,[1833]. Tarqilişi (sémvoli): Lim Ae AL At AT Ba BG BY CH DE ES FR GR HU IT KK MK PT RO RU SK Sr TR T-S UA YU KG Sau Tar DsA Ket Tls Fauna rayonining éliminti (sémvoli): 132 21b

### **Cupido (s.str.) prosecusa (Erschoff,1874)**

Lycaena prosecusa Erschoff,1874, [in] Fedtschenko, Reise nach Turkestan 2, 5(3) (Lepidoptera): 13, Taf.1 fig.9. Syntypes: [Kasachstan]: Turkestan Gegend. Menidas isimler: prosecusa Erschoff,1874 Tarqilişi (sémvoli): CN Ii KG KK T-S Ui Au Ln Ik SAt Mn Ssn Alk Ii Ky Tk Fauna rayonining éliminti (sémvoli): 142 35

### **Tongeia fischeri (Eversmann,1843)**

Lycaena fischeri Eversmann,1843, Bull. Soc. nat. Moscou 16(3): 537. Type(s): Russia: Ural. Menidas isimler: fischeri Eversmann,1843 Tarqilişi (sémvoli): Am Kts At Ba CN Ir JP KG KP MN RU Sb Sh Sr Ui Uk Ur Sau Mrk Tar DsA Fauna rayonining éliminti (sémvoli): 132 31a

### **Celastrina argiolus (Linnaeus,1758)**

Papilio argiolus Linnaeus,1758, Syst. Nat. (Edn.10) 1: 483. Type ♀: Europa (Linnean coll. London) [gen.vern.]. Menidas isimler: argiolus Linnaeus,1758; cleobis Sulzer,1776; thersanon Bergstr.,1779; argyphontes Bergstr.,1779; argalus Bergstr.,1779; marginatus Retzius,1783; acis Fabr.,1787 nec Drury,[1773]; #parvipuncta Fuchs,1880; calidogenita Verity,1919; britanna Verity,1919. Tarqilişi (sémvoli): He IL Ae AL AM Ao At AT AZ Ba BE BG BY CH CN Co Cr CY CZ DE DK DZ EE ES FI FR GB GG GR HU IE IQ IR IT KG KK Ku LT LU LV MA MK MT NL NO PL PT Rd RO RU Sa SE Si SK Sm So Sr TM TN TR UA Ui Uk VI YU Cw Dv Smt H-W Sur Ssx Ken SY Kuz Sli DsA TrA KuA Ax Sau Ta JP MN KP KR TW Yu PH Luz Vv Sh Buc Mrk US CA MX PA LB Sj AF Als Ssk Mnt Mon Wc Nfl Ti Btn Ats BCo Cf Ut Ne NMx PA GT Us Mc Bry Ok SCA Tx Ge Lou Kan Aks Mss Alb Fauna rayonining éliminti (sémvoli): 211 2

### **Glauopsyche (Bajluana) argali (Elwes,1899)**

Lycaena argali Elwes,1899, Trans. ent. Soc. Lond. 1899: 328. Syntypes: [Russia]: [Tschuja-Steppe in East Altai]: "mountains south of Kuch Agatch". Menidas isimler: argali Elwes,1899 Tarqilişi (sémvoli): RU At Tj KG Sau Ssn Mrk Ktm Fauna rayonining éliminti (sémvoli): 131 2b

### **Glauopsyche (s.str.) aeruginosa (Staudinger,1881)**

Lycaena cyllarus var. aeruginosa Staudinger,1881, Stettin ent. Ztg. 42: 285-286. Type ♂: Ala-Tau (cf. Hanus et al.,1997). Menidas isimler: aeruginosa Staudinger,1881 Tarqilişi (sémvoli): KG KK TR PK BI DsA Fauna rayonining éliminti (sémvoli): 142 31\*

### **Glauopsyche (s.str.) alexis (Poda,1761)**

Papilio alexis Poda,1761, Insecta Musei Graecensis...:77. Type(s): [Austria]: Steiermark. Menidas isimler: alexis Poda,1761; damaetas Denis & Schiff.,1775; #sublugens Strand,1909; #insulicola Tur. & Fiori,1930; mironi Coutsis,1976. Tarqilişi (sémvoli): AF AL AM AT AZ Ba BE BG BY CH CN Co CZ DE DK DZ EE ES FI FR GG GR HU Ii IQ IR IT KG Ku LT LU LV MK NO PL PT RO RU SE Si SK Sm So Sr TM TR T-S UA Ui Uk VI YU He IL Sau Tar DsA TrA Fauna rayonining éliminti (sémvoli): 132 11b

**Glaucompsyche (s.str.) charybdis (Staudinger,1886)**

*Lycaena charybdis* Staudinger,1886, Stettin ent. Ztg. 47: 226-227. Syntypes: [Usbekistan]: Margelan, Namangan. Menidaş isimler: *charybdis* Staudinger,1886 Tarqilişi (sémvoli): UZ KG Aa Man Nmg Tm Ii Fauna rayonining eliminti (sémvoli): 142 33

**Glaucompsyche (s.str.) laetifica (Püngeler,1898)**

*Lycaena laetifica* Püngeler,1898, Societas Ent. 13(8): 57. Syntypes: [China: Uighur A.R.]: Ili-Gebiet. Menidaş isimler: *laetifica* Püngeler,1898 Tarqilişi (sémvoli): Aa CN Ii KG Tk T-S Ui UZ Tm Fauna rayonining eliminti (sémvoli): 142 31

**Maculinea alcon ([Denis & Schiffermüller],1775)**

*Papilio alcon* [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 182. Type(s): Austria: Wien (official name no.1480. ICZN, Opinion 503; 1958). Menidaş isimler: *alcon* [Denis & Schiffermüller],1775; *mamers* Bergstr.,1779. Tarqilişi (sémvoli): Ax Ao AT Ba BE BY CH CN CZ DE DK EE ES FR HU IT KG NL PL RO RU SE SK Sm So Sr TR T-S UA Ui Uk VI LAT Wn Or Bs Tt Cb Kg Ty Om Ka Sp Mn Tk Aa DsA Ket TeA KuA TrA KK Fauna rayonining eliminti (sémvoli): 132 21a

**Maculinea arion (Linnaeus,1758)**

*Papilio arion* Linnaeus,1758, Syst. Nat. (Edn.10)1: 483. Type(s): Europa [Deutschland, Nürnberg]. Menidaş isimler: *arion* Linnaeus,1758; *telegone* Bergstr.,1779; *obscura* Christ,1878; *caucasica* Jachontov,1914 nec Lederer,1870; *zara* Jachontov,1935. Tarqilişi (sémvoli): AL At Kts AM AT Ba BE BG BY CH CN Co CZ DE DK EE ES FI FR GB GG GR HU IT Kb Kc LT LU LV MK NL PL PT RO RU SE SK Sm So Sr St TR T-S UA Ui VI YU B-H WAt SAt CAT NAt Sau Tar DsA Ket Tu KuA TrA KG Fauna rayonining eliminti (sémvoli): 132 11b

**Maculinea nausithous (Bergsträßer,[1779])**

*Papilio nausithous* Bergsträßer,[1779], Nomencl. Besch. Ins. 2: 70, Taf. 43 fig.1. Type(s): Deutschland: Hanau-Münzenberg. *Papilio nausithous* Bergsträßer,1779, Nomencl. Besch. Ins. 2: 70, Taf. 43 fig.1. Type(s): Deutschland: Hanau-Münzenberg. Menidaş isimler: *nausithous* Bergsträßer,[1779]; *arcas* Rottemburg,1775 nec Drury,1773; *erebus* Knoch,1782. Tarqilişi (sémvoli): AM AT Ba BY CH CZ DE ES FR GG HU KG NL PL RU SK Sm So Sr TR UA Uk YU Mn Sj At Fauna rayonining eliminti (sémvoli): 132 21a

**Maculinea telejus (Bergsträßer,[1779])**

*Papilio telejus* Bergsträßer,[1779], Nomencl. Besch. Ins. 2: 70, Taf. 43 figs.5,6. Syntypes: Deutschland: Hanau-Münzenberg. Menidaş isimler: *diomedes* Rottemburg,1775 nec Linnaeus,1758; *telejus* Bergsträßer,[1779]; *arctophylax* Bergsträßer,[1779]; *arctophanus* Bergsträßer,[1779]; *euphemus* Hübner,[1800]. Tarqilişi (sémvoli): At Kts AT BE BY CH CZ DE ES FR HU IT KG LT LV NL PL RU SK Sm So Sr UA Uk YU Sb MN Ur Sb Kuz DsA Or Bs Tt Cb Kw Ty Ka Pw Om No Mn Sp Tk Fauna rayonining eliminti (sémvoli): 132 11b

**Otnjukovia tatjana (Zhdanko,1984)**

*Turanana (Otaria) tatjana* Zhdanko,1984, Trudy zool. Inst. Leningr. 122: 104. Holotype ♂: Kazakhstan: 11 km S Otar (170km W. Alma-Ata)". Menidaş isimler: *tatjana* Zhdanko,1984. Tarqilişi (sémvoli): KK Ikc KG TrA Ktm Bkb Mn Ota Fauna rayonining eliminti (sémvoli): 142 32\*

**Praephilotes anthracias (Christoph,1877)**

*Lycaena anthracias* Christoph,1877, Horae Soc. ent. ross. 12: 239-240, Taf.v fig. 12. Syntypes: [Turkmenistan]: Krasnowodsk. Menidaş isimler: *anthracias* Christoph,1877 Tarqilişi (sémvoli): CN Krn Ku TM Ui TJ UZ Ky Tm Ii Tk KG Ssn Fauna rayonining eliminti (sémvoli): 142 32

**Praephilotes panope (Eversmann,1851)**

*Lycaena panope* Eversmann,1851, Bull. Soc. nat. Moscou 24 (2): 619. Syntypes ♂♀: "les steppes baignées de l'Oural inferieur" [Kasachstan: Indersk]. Menidaş isimler: *panope* Eversmann,1851 Tarqilişi (sémvoli): Gj KG Uk TM Krn Ind Fauna rayonining eliminti (sémvoli): 142 32

**Pseudophilotes vicrama (Moore,1865)**

*Polyommatus vicrama* Moore,1865, Proc. zool. Soc. London 35: 505, pl.31, fig.6. Syntypes: Tibet: Shipkee; [India]: Middle Kunawur: Cheeni. Menidaş isimler: *vicrama* Moore,1865 Tarqilişi (sémvoli): AF AL At AT Ba BG BY CY Ch Ci CN Cr CZ DE EE FI GR HU Ii IN IR IT KG Ld LT LV PK PL RO RU SK Sm So Sr Ti TM TR UA Ui VI YU Uk Kt Ka Sp Sau Tar DsA TrA Db Tm Ku Fauna rayonining eliminti (sémvoli): 142 21

**Rubrapterus bavius (Eversmann,1832)**

*Lycaena bavius* Eversmann,1832, Nouv. Mém. Soc. imp. Nat. Moscou 2: 349-350, figs.3,4. Syntypes: [Russia]: Baschkiriae. Menidaş isimler: *bavius* Eversmann,1832 Tarqilişi (sémvoli): Ba Ce Cm DZ GR HU IL IR KG MA MK RO RU Sm Sr SY TR UA Uk VI Fauna rayonining eliminti (sémvoli): 132 23c

**Scolitantides orion (Pallas,1771)**

*Papilio orion* Pallas,1771, Reise durch die verschiedenen Provinzen des russischen Reiches 1: 471. Type(s): Russia: Sysranj prope Wolga. Menidaş isimler: *orion* Pallas,1771; *battus* Denis & Schiffermüller,1775; *tephii* Esper,1779; *sedi* Fabricius,1781; *hecateus* Drapiez,1819; *metioche* Fruhstorfer,1910; *lariana* Fruhstorfer,1910; *micrometioche* Verity,1943. Tarqilişi (sémvoli): AL At AT Ba BG B-H BY CH CN CZ DE EE ES FI FR GR HU Ii IT JP KG KP KR MK MN No PL RO RU SE SK Sm So Sr Ti TR T-S UA Ui VI YU Uk Sau Mrk Tar DsA TrA Kts Fauna rayonining eliminti (sémvoli): 132 11b

### **Turanana panaegides (Staudinger,1886)**

*Lycaena panaegides* Staudinger,1886, Stettin ent. Ztg. 47: 206-207. Syntypes: [Usbekistan]: Samarkand. Menidas isimler: *panaegides* Staudinger,1886 Tarqilişi (sémvoli): Tkl Smk UZ Tls Tm KG Fauna rayonining éliminti (sémvoli): 142 33

### **Plebejus (Alpherakya) sartus (Alpheraky,1881)**

*Lycaena sarta* Alpheraky,1881, Horae Soc. ent. ross. 16: 387-389, Taf. 14 fig. 8. Syntypes ♂♀: [China: Uigur A.R.]: Tian-Chian. Menidas isimler: *sartus* Alpheraky,1881; *phryxis* Staudinger,1886 Tarqilişi (sémvoli): Aa CN Db KG KK Ku Ky Sp Tk Ui Sau Mrk Ktm DsA Ii Ket Bog TeA TrA KuA T-I Tm Ax Fauna rayonining éliminti (sémvoli): 142 34

### **Plebejus (Lycaeides) agnata (Staudinger,1889)**

*Lycaena agnata* (*christophi* var.? Staudinger,1889, Stettin ent. Ztg. 50: 19-20. Syntypes 5♂ 2♀: [Kirgizistan]: in den Gebirgen südlich von Issyk-Kul. Menidas isimler: *agnata* Staudinger,1889 Tarqilişi (sémvoli): Au CN Dj Ga Ik KG KK Kl Pm TJ Tk Tk Ui Fauna rayonining éliminti (sémvoli): 142 31

### **Plebejus (Lycaeides) argyrognomon (Bergsträßer,[1779])**

*Papilio argyrognomon* Bergsträßer,[1779], Nom. Besch. Ins. Graftschaft Hanau-Munzenburg 2: 76, pl.46, figs. 1-2. Menidas isimler: *argyrognomon* Bergsträßer,[1779] Tarqilişi (sémvoli): AL AM At Kts AT Ba BG BL BY CH CN CZ DE ES FR GR HU IT Ju KK LT LV NO PL RO RU SE SK Sm So Sr TR UA Ui UZ YU KG Uk Kuz Sli Sau Tar DsA Ax TrA TeA Fauna rayonining éliminti (sémvoli): 132 12c

### **Plebejus (Lycaeides) christophi (Staudinger,1874)**

*Lycaena christophi* Staudinger,1874, Stettin ent. Ztg. 35(1/3): 87-90. Syntypes: [Iran]: Schahrud; [Turkmenistan]: Krasnowodsk; Lectotype ♂: Iran: Schahrud (designated by Olivier, et al., 1998, Phegea 26 (3): 91) (ZMHB). Menidas isimler: *christophi* Staudinger,1874 Tarqilişi (sémvoli): Aa AF Aq Ci CN Fe Gg Gn IR KG KK Ky PK Pm T-A TJ Tk TM TR Ui UZ Krn Ii Fauna rayonining éliminti (sémvoli): 142 34

### **Plebejus (Lycaeides) idas (Linnaeus,1761)**

*Papilio idas* Linnaeus,1761, Fauna Suecica (2): 284. Type(s): Suecia. Menidas isimler: *idas* Linnaeus,1761; *leodorus* Esper,1782; *acreon* Fabricius,1787; *amphion* Fabricius,1793. Tarqilişi (sémvoli): AM Ao At AT Ba BE BG B-H BY CH Co CZ DE DK EE ES FI FR GG GR HU HV IT KG KK LB LT LV MK NL NO PL PT RO RU Sa SE Si SK Sm So Sr SS TR UA Uk VI YU DsA TeA KuA TrA Fauna rayonining éliminti (sémvoli): 142 21

### **Plebejus (Plebejides) pylaon (Fischer v. Waldheim,1832)**

*Lycaena pylaon* Fischer von Waldheim,1832, Nouv. Mém. Soc. imp. Nat. Moscou 2: 357-358, pl.19 figs.5,6. Syntypes: [Russia]: Sarepta. Neotype ♂: Sarepta (Krasnoarmejsk) designated by Lukhtanov,1990, Linneana belgica 12(7): 277-278 (ZSM). Menidas isimler: *pylaon* Fischer v. Waldheim,1832 Tarqilişi (sémvoli): Ao Gj KG Kp Kt Mn Or Pe RU Sm Sr TM Uk VI Buc Bkb Nym Ktm Sau Trt Tj Cat DsA Alk Fauna rayonining éliminti (sémvoli): 142 21

### **Plebejus (Plebejides) usbekus Forster,1939**

*Plebejus pylaon usbeka* Forster,1939, Dan. sci. Invest. Iran 1: 6. (nomen novum pro *zephyrinus* Staudinger,1886 nec *Christoph*,1884). Syntypes: [Usbekistan]: Samarkand. Menidas isimler: *zephyrinus* Staudinger,1886 nec *Christoph*,1884; *usbekus* Forster,1939 Tarqilişi (sémvoli): CN Fe Gul KK Ku Osh Smk Ui UZ KG Tm Fauna rayonining éliminti (sémvoli): 142 33\*

### **Plebejus (Plebejides) zephyrinus (Christoph,1884)**

*Lycaena zephyrus* var. *zephyrinus* Christoph,1884, [in] Romanoff, Mém. Lépid. 1: 102. Syntypes: [Turkmenistan]: Askhabad. Menidas isimler: *zephyrinus* Christoph,1884 Tarqilişi (sémvoli): TR AZ GG IR KG Kp TJ TM Sau Mn Fa Shr Kc RU Fauna rayonining éliminti (sémvoli): 142 31\*

### **Plebejus (lucifera-gr) lucifera (Staudinger,1867)**

*Lycaena lucifera* Staudinger,1867, Stettin ent. Ztg. 28: 100. Syntypes: Ust-Kamengorsk, Altai. Menidas isimler: *lucifera* Staudinger,1867 Tarqilişi (sémvoli): At Kts CN Ir KG MN Mn RU Sb Ti Ktm Buc Fauna rayonining éliminti (sémvoli): 132 24c

### **Plebejus (s.str.) argus (Linnaeus,1758)**

*Papilio argus* Linnaeus,1758, Syst. Nat. (Edn.10)1: 483. Syntypes: Europa, Africa. Menidas isimler: *argus* Linnaeus,1758; *aegon* Denis & Schiffermiller,1775; *plouharnelensis* Oberthür,1926; *pulchraphilonome* Verity,1931. Tarqilişi (sémvoli): AL Ao At Kts AT Ba BE BG BY CH CN Co CZ DE DK EE ES FI FR GB GR HU IT KG Ku LT LU LV NL NO PL PT RO RU Sa SE Si SK Sm So Sr TR T-S UA Ui Uk VI Ya YU Cw Dv Smt H-W Sur Ssx Ken Kuz Sli Sau Tar Mn Mgd Fauna rayonining éliminti (sémvoli): 132 12a

### **Polyommatus (Agriades (s.str.)) glandon (De Prunner,1798)**

*Papilio glandon* De Prunner,1798, Lepidoptera Pedemontana: 76. Type ♀: [Italy]: Piedmont. Menidas isimler: *glandon* De Prunner,1798; *meleager* Hübner,[1804] nec *Esper*,1778; *rustica* Edwards,1864. Tarqilişi (sémvoli): AT CH DE ES FI FR IT NO RU At Kts Sb MN Sau Tar KG Mn Fauna rayonining éliminti (sémvoli): 111 3

### **Polyommatus (Agriades (s.str.) ) pheretiades (Eversmann,1843)**

*Lycaena pheretiades* Eversmann,1843, Bull. Soc. imp. Nat. Moscou 16(3): 537, pl.7 figs.3a,b. Syntypes: [Kasachstan]: Noor-Saisan. Menidas isimler: *pheretiades* Eversmann,1843 Tarqilişi (sémvoli): TJ Pm Adr Hk Nmg Ax Tls AF CN Ju Ga Cho KK Sda Tek T-S Ui KG DsA Tar Sau Ssn TrA KuA TeA Fauna rayonining éliminti (sémvoli): 142 35

### **Polyommatus (Albulina (Plebejidea)) ferganus (Staudinger,1881)**

*Lycaena loewii* var.? fergana Staudinger,1881, Stettin ent. Ztg. 42: 262. Syntypes: [Usbekistan]: Margelan. Menidaş isimler: fergana Staudinger,1881; torgouta Alpheraky,1881 Tarqilişi (sémvoli): CN Fe KG KK Ku Ky Sp Tk TM T-S Ui UZ Tm Ktm Bkb DsA Tar Bog TrA Ax Man Fauna rayonining éliminti (sémvoli): 142 32

### **Polyommatus (Albulina (Plebejidea)) loewii (Zeller,1847)**

*Lycaena loewii* Zeller,1847, Isis 1847: 9-10. Syntypes ♂♀: [Türkei]: Makri [Fethiye]. Menidaş isimler: loewii Zeller,1847 Tarqilişi (sémvoli): AF AM AZ EG GG GR IL IQ IR JO Kc KG KK LB Mu Nf Nj OM PK Rd RU SA SY TJ TM TR Ld Fauna rayonining éliminti (sémvoli): 142 24a

### **Polyommatus (Aricia (Eumedonia)) eumedon (Esper,[1780])**

*Papilio eumedon* Esper,[1780], Die Schmett. 1 (Bd.2) Forts. Tagschmett.: 16: pl.52, figs.2,3. Menidaş isimler: chiron Rottemburg,1775 nec Fabricius,1775; eumedon Esper,[1780]; osiris Bang-Haas,1927 nec Hopffer,1855; rumeliensis Eitschberger & Stein.,1975; jeanensis Eitschberger & Stein.,1975; kagizmanensis Koçak,1980. Tarqilişi (sémvoli): AL Kts At AT Aty Ba BG BY CH CN CZ DE EE ES FI FR GG GR HU Ir IT KK KG Kmt LB LT LV NO PK PL RO RU SE Si SK Sm So Sr TR T-S UA Ui YU Or Uk Bs Cb Kt Ty Kw Om Pw Sp Mn No Tk Aa Db Tm Sau Tar Kuz Sli DsA Ket TeA KuA TrA Ax Fauna rayonining éliminti (sémvoli): 132 11b

### **Polyommatus (Aricia (Pseudoaricia)) nicias (Meigen,1830)**

*Polyommatus nicias* Meigen,1830, Syst. Besch. eur. Schmett. 2: 10, af.45 figs.3a,b. Syntypes: Rhätische Alpen. Menidaş isimler: nicias Meigen,1830; donzelii Boisduval,1832. Tarqilişi (sémvoli): At Kts Ba BY CH ES FI FR IT RU Sb SE Sm UA Ur KG Mn Buc Fauna rayonining éliminti (sémvoli): 122 2

### **Polyommatus (Aricia (Umpria)) myrmecias (Christoph,1877)**

*Lycaena myrmecias* Christoph,1877, Horae Soc. ent. ross. 12: 235-236, Taf.v fig. 7. Syntypes: [Turkmenistan]: Krasnowodsk. Menidaş isimler: myrmecias Christoph,1877 Tarqilişi (sémvoli): Krn TM Kp UZ CN Ui KG Li Bog DsA Tm Ky Fauna rayonining éliminti (sémvoli): 142 31

### **Polyommatus (Aricia (s.str.)) agestis ([Denis & Schiffermüller],1775)**

*Papilio agestis* [Denis & Schiff.],1775, Ankündigung syst. Werkes Schmett, Wienergegend: 184. Type(s): [Austria]: Vienna district. Menidaş isimler: medon Hufnagel,1766 nec Linnaeus,1763; alexis Rottemburg,1775 nec Poda,1761; agestis [Denis & Schiffermüller],1775; astrarche Bergsträßer,[1779]. Tarqilişi (sémvoli): AL AM Ao At AT AZ Ba BE BG B-H BY CH CN Co Cr CZ DE DK FR GB GG GR HU HV IL IQ IR IR IT JO KG KK Ku LB LT LU MK MT NL PL Rd RO RU SE Si SK Sm So Sr SS SY Tk TM TR T-S UA Ui Uk VI YU Cw Dv Smt H-W Sur Ssx Ken LAT Wn Sau Tar DsA TrA Ax Fauna rayonining éliminti (sémvoli): 132 21b

### **Polyommatus (Aricia (s.str.)) artaxerxes (Fabricius,1793)**

*Hesperia artaxerxes* Fabricius,1793, Ent. Syst. 3(1): 297, nr.129 Taf.63, fig.2. Type(s): England: Scotland. Menidaş isimler: artaxerxes Fabricius,1793. Tarqilişi (sémvoli): AT At Kts Ba BG CH CZ DE DK DZ EE ES FI FR GB GR HU IT LT LV KG KK MK NO RO RU SE Si SK So Sr TR YU Sli Kuz Nat Tk DsA Lps Ket TrA Ax TeA KuA Fauna rayonining éliminti (sémvoli): 132 12b

### **Polyommatus (s.str. (Admetusia)) admetus (Esper,[1783])**

*Papilio admetus* Esper,[1783], Die Schmett. 1(2): Forts. 148, Taf.82 figs.2,3. Syntypes: Ungarn. Menidaş isimler: admetus Esper,[1783] Tarqilişi (sémvoli): AT BG BY GR HU RU SK TR UA YU MK Mt KG Sb Fauna rayonining éliminti (sémvoli): 132 23c

### **Polyommatus (s.str. (Admetusia)) phyllides (Staudinger,1886)**

*Lycaena phyllis* var. phyllides Staudinger,1886, Stettin ent. Ztg. 47: 225. Syntypes: [Usbekistan]: Margelan, Namangan, Samarkand; [Kirgizistan]: Osh. Menidaş isimler: phyllides Staudinger,1886 Tarqilişi (sémvoli): Ax Fe Ik KG KK TM UZ Kp Al Man Osh Tls Fauna rayonining éliminti (sémvoli): 142 31\*

### **Polyommatus (s.str. (Admetusia)) ripartii (Freyer,[1830])<sup>18</sup>**

<sup>18</sup> Bu tür İspaniye, Fransiye, İtaliye, Yugoslaviye, Gretsiye, Makédoniye, Rossiye, Türkiye, Türkmenistan, Qırğızistan, Qazaqistan (Saur, Tarbağatay, Cungğar Alatau, Trans-İli Alatau, Sogutiy Têği, Sir Derya Qaratau, Aliksandır Têği) qatarliq döletlerge tarqalmaqta. Ğerbicenubi Yavrupada İspaniye (ssp. *ripartii* Freyer,1830; ssp. *agenjoi* Forster,1965), Fransiye (ssp. *ripartii* Boisduval,1832), İtaliye (ssp. *galloi* Balletto & Toso, 1979), Gretsiye (ssp. *pelopi* Brown,1976), Türkiye (ssp. *paralcestis* Forster,1960) qatarliq kencitürliri mevcut iken, Anatoliyediki populyasiyonlirining *paralcestis* kencitürige ait ikenlik qobul qilinmaqta. Tengri Tağlıridiki *ripartii* populyasiyonliriga kelsek, bu tür bu rayonda bögüngçe kencitür seviyeside isimlendirülmigen. Axırqı qétim Lukhtanov & Lukhtanov (1994) Qazaqıstandiki tetqiqatlırida tür seviyeside qolğa alğan. Bu türning coğrafiyelik varyasiyonlirini éniq bir şekilde békıtip çıqışta, künımızde keng tarqalğan sirtqi morfologiyelik alahidilikler (qanat, reng ve qanat üstidiki her xil bızekler)ning yéterlik dericide dep qaraşqa bolmaydu. Génital organlirining mikroskopik tüzülüşi, hromosom sani ve unung tüzülüşini tepsili tetqiq qılışqa toğra kélidu. Şunung bilen birge Qazaqistan ve Pamirdiki *ripartii* populyasiyonlirining sirtqi morfologiyelik alahidiliklirige asasen perıqlendürılgenligi yüz yildin köprek vaqıttın buyan bilinip kélivatqan bir heqiqet. Rühl (1893:283) kitavida bu rayondiki populyasiyonlarning Anatoliyediki [*paralcestis*] kenci türige qarışanda oçuq rengde ikenligini yézış bilen birge mevcut morfologiyelik perqlerni tunci qétim otturğa qoyğan. Bu heqte bundin başqa yéngi bir pikir ve köz qaraş hazirğice otturğa qoyulmıdi. Zoocoğrafiyelik cehettin qarışanda Qazaqıstandiki *ripartii* populyasiyonlirining bu türning mevcut kencitürliridin herqandaq birsige ait boluş ihtimali nahayitimu az. Tengri Tağlırida élip bérılğan teکشürüş ve tetqiqatlırimızda bu türni kencitür katigoriyeside qolğa élışqa mecburmız. Zeyif bir alahidilik bolsimu, Rühlning alğa sürgen sirtqi morfologiyelik perqlerni bu yerde muhakime qilş arqiliq Cenubi Qazaqıstandiki *ripartii* populyasiyonlirini *Polyommatus (s.str. (Admetusia)) ripartii* ssp. *tengritaghicus* (ssp.n.) nami bilen isimlendirduq. Holotip ♂: Paratipler: 3♂♀ Kazachstan: Ğerbi Trans-İli Alatau: Kordai Pass 1100m, 23. 06. 2000,

*Lycaena ripartii* Freyer,[1830], Neuere Beitr. Schmett. 3: 128, pl.133, fig.3. Type(s): Spain. Menidas isimler: *ripartii* Freyer,[1830]. Tarqilişi (sémvoli): At Ba BG BY ES FR GR IT KG KK RU Sm Sr TM TR UA Uk YU Sau Tar TrA DsA Tls Ax Tm Fauna rayonining éliminti (sémvoli): 132 21b

**Polyommatus (s.str. (Agrodiaetus)) damon ([Denis & Schiffermüller],1775)**

*Papilio damon* [Denis & Schiffermüller], 1775, Ankündigung syst. Werkes Schmett. Wienergegend: 182. Type(s): [Austria]: Vienna district. Menidas isimler: *damon* [Denis & Schiffermüller],1775 Tarqilişi (sémvoli): AL At Kts AT Ba BG BY CH CN CZ DE EE ES FR GR IT KG KK Kr LV MN PL RU SK Sm So Sr TR T-S UA Ui Ur VI YU LAT Wn Kuz Sli Sau Tar TrA DsA KuA Fauna rayonining éliminti (sémvoli): 132 21b

**Polyommatus (s.str. (Agrodiaetus)) damone (Eversmann,1841)**

*Lycaena damone* Eversmann,1841, Bull. Soc. nat. Moscou 14 (1): 18. Lectotype ♂: [Russia]: Wolga-Gebiet, Sergiewsk (110km NE. Samara) (ZISP). Menidas isimler: *damone* Eversmann,1841 Tarqilişi (sémvoli): Ba RU Sm So Sr TM UA Ur VI MN KG AF Kab Sau Tar Fauna rayonining éliminti (sémvoli): 142 31

**Polyommatus (s.str. (Agrodiaetus)) iphigenides (Staudinger,1886)**

*Lycaena kindermanni* var. *iphigenides* Staudinger,1886, Stettin ent. Ztg. 47: 214. Syntypes 4♂: [Usbekistan]: Namangan, Margelan. Menidas isimler: *iphigenides* Staudinger,1886 Tarqilişi (sémvoli): Au CN Fe KG Ky Ui UZ Man Tm Fauna rayonining éliminti (sémvoli): 142 33\*

**Polyommatus (s.str. (Agrodiaetus)) juldusus (Staudinger,1886)**

*Lycaena kindermanni* var. *juldusa* Staudinger,1886, Stettin ent. Ztg. 47: 213. Syntypes: [China: Uighur A.R.]: Juldus-Gebirge (Tian Schan). Menidas isimler: *juldusa* Staudinger,1886; *duplicata* A.Bang-Haas,1910. Tarqilişi (sémvoli): Ach Ax CN Gg Hu Ik Ju Au KG KK Kl Kml Ku PK Tk T-S Ui TeA DsA Nrk Ket Tyk KuA Fauna rayonining éliminti (sémvoli): 142 33\*

**Polyommatus (s.str. (Agrodiaetus)) praeactinides (Forster,1960)**

*Agrodiaetus actis* ssp. *praeactinides* Forster,1960, Z. Wien. ent. Ges. 41: 111, figs. Holotype ♂: [Kasachstan]: Mts. Karatau, pag. Vyssokoje (Prov. Syr-Darja). Menidas isimler: *praeactinides* Forster,1960 Tarqilişi (sémvoli): KG KK Tls Ax Fauna rayonining éliminti (sémvoli): 142 33\*

**Polyommatus (s.str. (Cyaniris)) persephatta (Alpheraky,1881)**

*Lycaena persephatta* Alpheraky,1881, Horae Soc. ent. ross. 16: 395-396. Taf. 14 fig.11. Syntypes ♂♀: [China]: Kuldja. Menidas isimler: *persephatta* Alpheraky,1881 Tarqilişi (sémvoli): CN KK T-S Ui Ku KG Tk Aa DsA Ket TeA KuA TrA Tls Ax Ky Tm Fauna rayonining éliminti (sémvoli): 142 33

**Polyommatus (s.str. (Cyaniris)) semiargus (Rottemburg,1775)**

*Papilio semiargus* Rottemburg,1775, Naturforscher 6: 20. Type(s): [Deutschland]: Halle. Menidas isimler: *semiargus* Rottemburg,1775; *acis* Denis & Schiffermüller,1775 nec Dryry,1773; *byzas* Bergsträßer,[1779]; *byze* Bergsträßer,[1779]; *argopoeus* Bergsträßer,[1779]; *byzenus* Bergsträßer,[1779]; *argopoei* Bergsträßer,[1779]; *cimon* Lewin,1795; *argianus* Dalman,1816. Tarqilişi (sémvoli): AL At Kts AT Ba BE BG B-H BR CH CN CZ DE DK EE ES FI FR GB GR HU HV Ii IT KK KG LT LU LV MA MK NL NO PL PT RO RU SE Si SK Sm So Sr SS T-S UA Ur UZ VI YU Uk OR Bs Cb Kg Ty Sb Om To Pw Kw Fe Nmg Sp Mn Tk Aa Kuz No Sau Tar DsA TeA KuA TrA Ax Fauna rayonining éliminti (sémvoli): 132 11b

**Polyommatus (s.str. (Elviria)) cyane (Eversmann,1837)**

*Lycaena cyane* Eversmann,1837, Bull. Soc. nat. Moscou 10(1): 22. Type(s): Russia: östlicher Orenburgischer Gouvernement. Menidas isimler: *cyane* Eversmann,1837 Tarqilişi (sémvoli): At Kts Ba CN Gn Lc Ju KG KK MN Or RU Sb Sj Sm Ui VI Nym Ktm Sau Mon Tar Buc Bkb Tj CAat No Uk Ur T-I TrA TeA Fauna rayonining éliminti (sémvoli): 142 31

**Polyommatus (s.str. (Elviria)) elvira (Eversmann,1854)**

*Lycaena elvira* Eversmann,1854, Bull. Soc. nat. Moscou 27 (2): 177. Syntypes: südlichen Kirgisensteppen [Südkasachstan, wahrscheinlich am Fluss Syrdarja] (cf. Lukhtanov,1994, Herbiopoliana 3: 278). Menidas isimler: *elvira* Eversmann,1854 Tarqilişi (sémvoli): Aa KG KK Ky Sp Tk UZ Ii Alk Fauna rayonining éliminti (sémvoli): 142 32

**Polyommatus (s.str. (Elviria)) miris (Staudinger,1881)**

*Lycaena miris* Staudinger,1881, Stettin ent. Ztg. 42: 263-264. Syntypes ♂♀: [Iran]: Schahrud; [Kasachstan]: Lepsa, Saisan. Menidas isimler: *miris* Staudinger,1881 Tarqilişi (sémvoli): Aa CN IR KG Mg Sp Tk TM Ui Tar Buc Sau TrA DsA Ssn Lps Fauna rayonining éliminti (sémvoli): 142 33

**Polyommatus (s.str. (Meleageria)) daphnis ([Denis & Schiffermüller],1775)**

*Papilio daphnis* [Denis & Schiff],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 182. Type(s): [Austria]: Vienna district. Menidas isimler: *daphnis* [Denis & Schiffermüller],1775; *endymion* [Denis & Schiffermüller],1775 nec Fabricius,1775; *meleager* Esper,1778; *dalmatina* Wagner,1909. Tarqilişi (sémvoli): Aq Sms AL AM AT AZ Ba BG B-H BY CH CZ DE ES FR GG GR HU HV IQ IR IT KG LB MK PL RO RU Si SK Sm So Sr SS SY TR UA VI YU LAT Wn Fauna rayonining éliminti (sémvoli): 132 23c

leg. M.Kemal & A.Koçak; 20 ♂♀ Kordai Pass 1200m, 01.07.2000; 12 ♂♀ Sulutor (=Krasnogorka) 1300m, 30. 06.2000; 10 ♂♀ Şerqi Trans-Ili Alatau: Tausogur 1050m, 06. 07. 2000, 1 ♂ Alma Ata, Fabrischny, 1500m, 07.07.2000 leg. M.Kemal & A.Koçak (in coll. Cesa). Bu képineklarning yuqurida kösütülgen rayonlarda éniqlap çiqilgan ozuqluq ösümlükliri: *Cephalaria*, *Limonium*, *Centaurea*, *Ocimum basilicum*.

**Polyommatus (s.str. (Neolysandra)) coelestinus (Eversmann,1843)**

*Lycæna coelestina* Eversmann,1843, Bull. Soc. imp. Nat. Moscou 16 (3): 535. Syntypes: Russia: südlichen Ural. Menidas isimler: *coelestinus* Eversmann,1843 Tarqilişi (sémvoli): AM Ba GR IR Elb KG RU Sr TR Uk VI Aq Fauna rayonining eliminti (sémvoli): 132 23c

**Polyommatus (s.str. (Plebicula)) amandus (Schneider,1792)**

*Papilio amandus* Schneider,1792, Neuestes Mag. 4:428. Type(s): Sweden. Menidas isimler: *icarius* Esper,1789 nec Rottemburg,1775; *amandus* Schneider,1792 Tarqilişi (sémvoli): Lsb At AL AM AT AZ Ba BG BY Cc CH CN CZ DE DK EE ES FI FR GG GR HU IQ IR IT KG KK LB LT LV NO PL RU SE Si SK Sm So Sr Tk TR T-S UA Ui Uk VI YU Aq Cb Bs Or Kg Pp Kw Ty Pw Om No Mn Sp Tk Aa Db Ax Kuz Sli Sau Tar DsA TrA TeA Fauna rayonining eliminti (sémvoli): 132 11b

**Polyommatus (s.str. (Plebicula)) dorylas ([Denis & Schiffermüller],1775)**

*Papilio dorylas* [Denis & Schiffermüller],1775, Ankündigung syst. Werkes Schmett. Wienergegend: 322. Type(s): [Austria]: Vienna district. Menidas isimler: *dorylas* [Denis & Schiffermüller],1775; *hylas* Esper,[1778] nec Linnaeus,1758; *argester* Bergsträßer,[1779]; *magna* Balint,1985. Tarqilişi (sémvoli): AL AT Ba BE BG BY CH CZ DE ES FR GR HU IT KG LT LV PL RO RU SE SK Sr TR UA Uk YU LAT Wn Fauna rayonining eliminti (sémvoli): 132 22a

**Polyommatus (s.str. (Thersitesia)) thersites (Canterer,[1835])**

*Argus thersites* Canterer,[1835], Hist. nat. Léop. Rhod. Pap. diurn. Dép...: 53, pl.11, figs.1,2. Syntypes: NW.France: Vosges,etc. Menidas isimler: *thersites* Canterer,[1835]; *chapmani* Ball,1914; *meridiana* Verity,1919. Tarqilişi (sémvoli): AZ Sms Kos AL AT Ba BE B-H BY CH CZ DE ES FR GR HU HV IR IT KG KK LB MA MK MN PL PT Rd RO RU SK Sm So Sr SS SY TM TR UA YU TrA TeA Fauna rayonining eliminti (sémvoli): 142 21

**Polyommatus (s.str.) amor (Lang,1884)**

*Lycæna eros* var. *amor* Lang,1884, Rhopalocera europaea descripta & delineata: 371. Lectotype ♂: Samarkand. (designated by Balint,1999, Neue ent. Nachr. 46: 11) (BMNH). Menidas isimler: *amor* Lang,1884; *amor* Staudinger,1886 [Lectotype ♂: "Samarkand" designated by Lukhtanov,1994, Herbiopoliana 3: 272 (ZMHUB)]. Tarqilişi (sémvoli): Bc CN KG KK Smk Ui UZ TrA TeA KuA Ax Fauna rayonining eliminti (sémvoli): 142 33\*

**Polyommatus (s.str.) eroides (Frivaldsky,1835)**

*Lycena eroides* Frivaldsky,1835, Köslések a balkany vidékén tett természettudományi utazásról.: 270, pl.7 f.3. Type(s): Balkany. Menidas isimler: *eroides* Frivaldsky,1835 Tarqilişi (sémvoli): AL AZ Ba BG BY CZ EE GG KG LT LV MK PL RU SK Sm So Sr Tai TR Ze Sb Fauna rayonining eliminti (sémvoli): 132 23c\*

**Polyommatus (s.str.) eros (Ochsenheimer,1808)**

*Papilio eros* Ochsenheimer,1808, Schmett. Eur. 1(2): 42. Syntypes: Tyroler und Schweizer Alpen. Menidas isimler: *tithonus* Hübner,[1804] nec Linnaeus,1771; *eros* Ochsenheimer,1808. Tarqilişi (sémvoli): AT CH DE ES FR GR IR IT TR YU KG DsA Ket TeA KuA TrA Fauna rayonining eliminti (sémvoli): 132 11b

**Polyommatus (s.str.) erotides (Staudinger,1892)**

*Lycæna eros* var. *erotides* Staudinger,1892, Dt. ent. Z., Iris 5: 319. Syntypes: Russia: "Kentei-Gebirge". Menidas isimler: *erotides* Staudinger,1892 Tarqilişi (sémvoli): CN KK KP KR Ku MN RU Sb T-S Ui Ya At Kts KG Buc Nym Ktm Mn Fauna rayonining eliminti (sémvoli): 132 24a\*

**Polyommatus (s.str.) icadius (Groum-Grshimailo,1890)**

*Lycæna icarus* var. *icadius* Groum-Grshimailo,1890, [in] Romanoff, Mém. Lépid. 4: 402. Syntypes: [Pakistan]: Mont Kounjout. Menidas isimler: *icadius* Groum-Grshimailo,1890 Tarqilişi (sémvoli): KG Ky Pm TJ Tm Tls Al Fauna rayonining eliminti (sémvoli): 142 33\*

**Polyommatus (s.str.) icarus (Rottemburg,1775)**

*Papilio icarus* Rottemburg,1775, Naturforscher 6: 21. Type(s): Saxonia. Menidas isimler: *argus* Poda,1761 nec Linn.,1758; *alexis* Scop.,1763 nec Poda,1761; *thetis* Esper,1777 nec Drury,1773; *icarus* Rottemburg,1775; *pampholyge*, *candybus*, *candiope*, *candaon*, *oceanus* Bergstr.,1779; *fusciolus* Fourcroy,1785; *icarinus* Scriba,1795; *pusillus* Gerhard,1851... Tarqilişi (sémvoli): Ae AF AL Ao AT Ba BE BG B-H BY CH CN Co Cr CY CZ DE DK DZ EE ES FI FR GB GR HU HV IE Ii IL IQ IR IT JO KG KK Ku LB LT LU LV MA MK MN MT NL NO PK PL PT Rd RO RU Sa SE Si SK Sm So Sr SS SY TJ TM TN TR T-S Tv UA Ui Uk Us UZ VI YU Cw Dv Smt H-W Sur Ssx Ken At Kts Sau Tar Buc Bkb Mrk Ssn Ktm Nym DsA TrA KuA TeA Ax Ii Kuz Sli Fauna rayonining eliminti (sémvoli): 132 11b

**Athamanthia alexandra (Püngeler,1901)**

*Chrysophanus athamantis* var. *alexandra* Püngeler,1901, Dt. ent. Z., Iris 14: 179, Taf.2 figs.6, 6a, 6b. Syntypes: [Kirghizistan]: Alexander Gebirge. Menidas isimler: *alexandra* Püngeler,1901 Tarqilişi (sémvoli): Ax KG KK Tm Tk Tyk DsA Ii Fauna rayonining eliminti (sémvoli): 142 33\*

**Athamanthia athamantis (Eversmann,1854)**

*Polyommatus athamantis* Eversmann,1854, Bull. Soc. imp. Nat. Moscou 27: 180-181, figs.3,4. Syntypes: Südl. Kirghisen-Steppen; Aralsee. Menidas isimler: *athamantis* Eversmann,1854 Tarqilişi (sémvoli): Aq CN Ii KG Ku Ui AF Bm PK BI DsA Fauna rayonining eliminti (sémvoli): 142 32

**Athamanthia dimorpha (Staudinger,1881)**

*Polyommatus dimorphus* Staudinger, 1881, Stettin ent. Ztg. 42: 282. Syntypes 1♂ 5♀: [Kasachstan]: Dschungarischer Alatau: Lepsa. Menidas isimler: *dimorphus* Staudinger, 1881 Tarqilişi (sémvoli): Aa Aq At CN KG MN RU Sp Sp Tk Tk Ui UZ Nym Ktm DsA Lps Bog TrA Kst Fauna rayonining éliminti (sémvoli): 142 33\*

### **Heodes (Alciphronia) alciphron (Rottemburg, 1775)**

*Papilio alciphron* Rottemburg, 1775, Naturforscher 6: 11. Type(s): Deutschland: Berlin. Menidas isimler: *alciphron* Rottemburg, 1775; *lampetie* [Denis & Schiffermüller], 1775; *hiere* Fabricius, 1787. Tarqilişi (sémvoli): AL AM At Kts AT AZ Ba BG Bry BY CH CN CZ DE DK EE ES FR GG GR HU IQ IR IT KG LT LV PL PT RO RU Si SK Sm So Sr TR T-S UA Uk VI YU KK Or Cb Ty Om Sp Tk Aa Rk Aq Tar Sau DsA Ket KuA TrA Nrk Fauna rayonining éliminti (sémvoli): 132 21b

### **Heodes (Loweia) tityrus (Poda, 1761)**

*Papilio tityrus* Poda, 1761, Insecta Musei Graecensis: 77. Type(s): [Austria]: Graz. Menidas isimler: *tityrus* Poda, 1761; *acron* [Brünnich], 1763; *orientalis* Staudinger, 1881; *argentifex* Balint, 1990. Tarqilişi (sémvoli): AL AM At AT AZ Ba BE BG BY CH CZ DE DK EE ES FR GG GR HU IQ IR IT LB LT LU LV MK NL PL PT RO RU SK Sm So Sr TR UA YU KG Tt Uk Aq Rk Ka Pw Om Sp Tk DsA Tar Lps Fauna rayonining éliminti (sémvoli): 132 21b

### **Heodes (Palaeochrysophanus) hippothoe (Linnaeus, 1761)**

*Papilio hippothoe* Linnaeus, 1761, Fauna Suecica: 274. Syntypes: Schweden. Menidas isimler: *hippothoe* Linnaeus, 1761; *chryseis* [Denis & Schiffermüller], 1775 nec Drury, 1773; *euridice* Rottemburg, 1775 nec Johansson, 1763. Tarqilişi (sémvoli): At Kts AT Ba BE BG B-H BY CH CZ DE DK EE ES FI FR GR HU HV IT KG LT LU LV MK NL NO PL Pt PT RO RU SE Sj SK Sm So Sr UA Uk VI YU Cb Ty Kw Om Mn Sp Fauna rayonining éliminti (sémvoli): 132 11b

### **Heodes (s.str.) virgaureae (Linnaeus, 1758)**

*Papilio virgaureae* Linnaeus, 1758, Syst. Nat. (Edn. 10)1: 484. Syntypes: Europa, Africa; [Sweden (Verity, 1943)]. Menidas isimler: *virgaureae* Linnaeus, 1758; *armeniaca* A. Bang-Haas, 1906; *chrysorhoas* Fruhstorfer, 1917; *balcanicola* Graves, 1928. Tarqilişi (sémvoli): AL AM AR At Kts AT Aty Ba BE BG BY CH Cm CN CZ DE DK EE ES FI FR GG GR HU IT Ju KG KK LT LU LV MK MN NL NO PL PT RO RU SE SK Sm So Sr St Tk UA Ui VI YU TeA Kuz DsA TrA Fauna rayonining éliminti (sémvoli): 132 11b

### **Lycaena (Helleia) helle ([Denis & Schiffermüller], 1775)**

*Papilio helle* [Denis & Schiffermüller], 1775, Ankündigung eines syst. Werkes Schmett. Wiener Gegend: 181. Type(s): Austria: Wienergegend. Menidas isimler: *helle* [Denis & Schiffermüller], 1775; *amphidamas* Esper, 1781; *xanthe* Lang, 1789 nec [Denis & Schiffermüller], 1775. Tarqilişi (sémvoli): Akh At Kts AT Ba BE BY CH CZ DE EE ES FI FR GG HU KG LT LU NO PL RU SE SK Sm So Sr UA Uk LAT Wn Kuz Sli Sau Tar DsA Ket Lps Fauna rayonining éliminti (sémvoli): 132 21a

### **Lycaena (s.str.) phlaeas (Linnaeus, 1761)**

*Papilio phlaeas* Linnaeus, 1761, Fauna Suecica (2): 285. Type(s): Sweden, Westermannia. Menidas isimler: *phlaeas* Linnaeus, 1761; *cyrenaica* Turati. Tarqilişi (sémvoli): Ad Ae AF AL AM Ao As At AT Aty AZ Ba BE BG BY CH Cm CN Co Cr CY CZ DE DK EE ES FI FR GB GG GR HU IE IL IN IQ IR IT JO KG Kgs KK Kmt Ku LB Ld LT LU LV MK MN MT NL NO PK PL PT Rd RO RU SA Sa SE Si SK Sm So Sr SY Ti TJ Tk TM TR UA Ui Uk VI YE YU Cw Dv Smt Cy LY H-W Sur Ssx Ken MA DZ TN Pm Bik Ci Bl Sau Tar DsA Ax TrA KuA TeA Ket Fauna rayonining éliminti (sémvoli): 221 1

### **Phoenicurusia margelanica (Staudinger, 1881)**

*Polyommatus phoenicurus* var. *margelanica* Staudinger, 1881, Stettin ent. Ztg. 42: 282-283. Syntypes: [Usbekistan]: Margelan. Menidas isimler: *margelanica* Staudinger, 1881 Tarqilişi (sémvoli): KK Man UZ AF TJ TrA Tls Ax Tm KG Aa Fauna rayonining éliminti (sémvoli): 142 33\*

### **Thersamonia (Thersamolycaena) dispar ([Haworth], 1802)**

*Papilio dispar* [Haworth], 1802, Prodromus Lepid. Br.: 3, nr. 44, nota. Type(s): Anglia: [Cambridgeshire and Huntingdonshire] (Frohawke, 1924). Menidas isimler: *dispar* [Haworth], 1802; *hippothoe* Rottemburg, 1775 nec Linnaeus, 1761. Tarqilişi (sémvoli): AL Am Ao AT Ba BG BL BY CH Cm CN CZ DE DK EE FR GB GR HU IT IR KG Ku LT LU LV NL PL RO RU SE SK Sm So Sr TR UA Ui Uk VI YU Sau Ket Tar DsA KuA TrA Fauna rayonining éliminti (sémvoli): 132 11d

### **Thersamonia (Thersamolycaena) splendens (Staudinger, 1881)**

*Polyommatus splendens* Staudinger, 1881, Stettin ent. Ztg. 42: 280-281. Syntypes 20♂♂: [Kasachstan]: Dschungarischer Alatau, Lepsa. Menidas isimler: *splendens* Staudinger, 1881 Tarqilişi (sémvoli): Aa CN KG KK Sda Tk T-S Ui Ju Ket DsA KuA TrA Lps Fauna rayonining éliminti (sémvoli): 142 35

### **Thersamonia (s.str.) solskyi (Erschoff, 1874)**

*Polyommatus solskyi* Erschoff, 1874, [in] Fedtschenko, Reise in Turkestan 2(5)3: 8, pl. 1 f. 7. Syntypes: [Usbekistan]: Samarkand. Menidas isimler: *solskyi* Erschoff, 1874 Tarqilişi (sémvoli): UZ PK Hu Ys KK T-A Ld AF Bd KG Tm Al Tls Smk Fauna rayonining éliminti (sémvoli): 222 2

### **Thersamonia (s.str.) thersamon (Esper, [1784])**

*Papilio thersamon* Esper, [1784], Die Schmett. 1 (Bd. 2) Forts. Tagschmett.: 176, pl. 89, fig. 6 Type(s): [Russia]: Sarepta. Menidas isimler: *thersamon* Esper, [1784]; *omphale* Klug, 1834; *persica* Bienert, 1870; *kurdistanica* Riley, 1921; *#militaris* Graves, 1925. Tarqilişi (sémvoli): Ao He Kos AF AL AT Ba BG BY CN CY CZ GR HU Ii IL IQ IR IT JO KG KK MK PL Rd RO RU SK Sm Sr Tk TR T-S UA Uk VI YU SY Buc Nym SAt Sau Tar Mrk DsA TrA Aa Tk Rk Aq Tm Fauna rayonining éliminti (sémvoli): 142 21

## HESPERIIDAE (23 species)

### **Carcharodus (Reverdinus) flocciferus (Zeller,1847)**

*Hesperia floccifera* Zeller,1847, *Isis* (4): 286-287. Syntypes ♂♀: [Italien]: Sizilien: Syracus. Menidas isimler: *flocciferus* Zeller,1847; *altheae* Hübner,[1803] nec Esper,[1783]. Tarqilişi (sémvoli): AL AT Ba BG BY CH CZ DE ES FR GR HU IT LT LV PL PT RO RU Sa Si SK Sm Sr TM TR UA VI YU Mt Ko MK SS HV B-H KG Sp Fauna rayonining éliminti (sémvoli): 132 21b\*

### **Carcharodus (s.str.) alceae (Esper,[1780])**

*Papilio alceae* Esper,[1780], *Die Schmett.* 1(2): 4, pl.51, fig.1. Type(s): Süddeutschland: Erlangen. Menidas isimler: *alceae* Esper,[1780]; *malvae* Hufnagel,1766 nec Linnaeus,1758; *malvarum* Hoffmannsegg,1804; *magnaustalis* Verity,1924; *corsicus* Picard,1948. Tarqilişi (sémvoli): AF AL AM Ao AT AZ Ba BE BG BY Ch CH Ci CN Co Cr CZ DE DZ ES FR Gg GG GR Gs Hd Hp HU IN IQ IR IT Kab KG Kr Ku LB Ld LU MA Mre Mus NL Pag PK PL PT RO RU Sa Si SK Sm Sml So Sr TM TN TR UA Ui Uk Up VI YE YU Mt Ko MK SS HV B-H At Mn Sp Tk Aa Tm Sau Tar DsA Ax Tls TrA Fauna rayonining éliminti (sémvoli): 132 21b\*

### **Erynnis tages (Linnaeus,1758)**

*Papilio tages* Linnaeus,1758, *Syst. Nat. (Edn.10)1*: 485. Type(s): Europa. Menidas isimler: *tages* Linnaeus,1758; *morio* Scopoli,1763; *geryon* Rottemburg,1775; *subclarus* Verity,1921. Tarqilişi (sémvoli): At AL AT Ba BE BG BY CH Cr CZ DE DK EE ES FR GB GR HU IE IQ IR IT KG Kr LB LT LU LV MN NL NO PL PT RO RU Sb SE SK Sm So Sr TR UA VI YU Cw Dv Smt H-W Sur Ssx Ken Mt Ko MK SS HV B-H Mn Sau Tar Fauna rayonining éliminti (sémvoli): 132 11d\*

### **Muschampia antonia (Speyer,1879)**

*Pyrgus antonia* Speyer,1879, *Stettin ent. Ztg.* 40: 342-344. Syntypes 4♂ 2♀: [Kazachstan]: Saisan noor, See im Quellgebiet des Irtysch. Menidas isimler: *antonia* Speyer,1879 Tarqilişi (sémvoli): AF Ssn KG At Ti CN Al T-A KK TeA Tar Sau TrA Aa Bkb Mrk Ikc Fauna rayonining éliminti (sémvoli): 142 31\*

### **Muschampia cribrellum (Eversmann,1841)**

*Hesperia cribrellum* Eversmann,1841, *Bull. Soc. nat. Moscou* 1841 (1): 25. Menidas isimler: *cribrellum* Eversmann,1841 Tarqilişi (sémvoli): Ba MK RO RU Sm Sr VI HU MN CN At Ts Amd Am KG Uk Or Kt Rk Kw Sp Mn Om Sau Tar Fauna rayonining éliminti (sémvoli): 132 12\*

### **Muschampia kuenlunus (Groum-Grshimailo,1893)**

*Pyrgus gigas* var. *kuenlunus* Groum-Grshimailo,1893, *Horae Soc. ent. ross.* 27: 129. Syntypes: [Tadjikistan]: "In montibus Transalaiensibus (Pamir) [Zaalaitsky Mts.]; [China: Uighur A.R.]: "in montibus ad flumen Chuan-che". Menidas isimler: *kuenlunus* Groum-Grshimailo,1893 Tarqilişi (sémvoli): TJ Al Pm T-S Ax TrA Tls TeA KK KG CN Ui Kn TeA TrA Ax Tls Fauna rayonining éliminti (sémvoli): 142 31\*

### **Muschampia lutulentus (Groum-Grshimailo,1887)**

*Syrichthus lutulentus* Groum-Grshimailo,1887, [in] Romanoff, *Mém. Lépid.* 3: 401. Syntypes: östliches Buchara [Kisil-Gasy in der Nähe des Liagar-Murda-Paß im Gissar Gebirge (cf. Lukhtanov & Lukhtanov,1994: 302)]. Menidas isimler: *lutulentus* Groum-Grshimailo,1887; *lutulentus* Mabille,1909. Tarqilişi (sémvoli): His KG KK Ky TJ Tm UZ Fauna rayonining éliminti (sémvoli): 142 31\*

### **Muschampia proteides (Wagner,1929)**

*Hesperia proto ssp.proteides* Wagner,1929, *Mitt. münch. ent. Ges. Taf.2* fig.26 Type ♂: [Türkei]: Akschehir [15 Febr.1929]. Menidas isimler: *proteides* Wagner,1929; *#lycaonius* Wagner,1929; *hieromax* Hemming,1932; *sovietica* Sichel,1964. Tarqilişi (sémvoli): Cm IQ IR JO KG Kr LB MK Pa RU Sr TR UA Uk KG Fauna rayonining éliminti (sémvoli): 132 23c\*

### **Muschampia staudingeri (Speyer,1879)**

*Pyrgus staudingeri* Speyer,1879, *Stettin ent. Ztg.* 40: 344-346. Syntypes 6♂: [Kazachstan]: Saisan noor, See im Quellgebiet des Irtysch. Menidas isimler: *staudingeri* Speyer,1879 Tarqilişi (sémvoli): CN TM T-S Ui KG Ssn Sau TJ Pm DsA Kp Mn Tk Bkb Tm Ktm Mrk Tar Fauna rayonining éliminti (sémvoli): 142 31\*

### **Muschampia tessellum (Hübner,[1802])**

*Papilio tessellum* Hübner,[1802], *Samml. eur. Schmett.* 1: pl.93, figs.469-470. Syntypes: Europa. Menidas isimler: *tessellum* Hübner,[1802]; *hibisci* Böber,1812; *mazzola* Ochsenheimer,1816 Tarqilişi (sémvoli): AL Am Amd At Ax AZ Ba BY Cm CN Fa Fe GG GR IL IQ Ir IR Ju KG KK Kno Kr Mc MK MN Na Nv Pa Pm RU Sm So Sp Sr T-A TJ TR Ts T-S UA Ui VI TM Kp Sb Ya Sb Au Sp Mn Tk Aa TrA DsA Uk Tar Mrk Sau Ket TeA KuA Kuz Sli Fauna rayonining éliminti (sémvoli): 142 21\*

### **Pyrgus alpinus (Erschoff,1874)**

*Syrichthus alveus* var. *alpina* Erschoff,1874, [in] Fedtschenko, *Reise nach Turkestan* 2, 5(3) (*Lepidoptera*): 24, Pl.2 fig.18. Type: [Uzbekistan: Fergana]: Ktchi Alai (Kokand). Menidas isimler: *alpinus* Erschoff,1874 Tarqilişi (sémvoli): Aa AF Al Am Au Ax Bd CN Fe Ga Gg H-S Hu Ik KG KK Kmt M-A Msg Na Pm RU Sb Smk T-A TJ Ui Us UZ Wk Ya DsA TeA KuA TrA Tls Fauna rayonining éliminti (sémvoli): 142 31\*

### **Pyrgus alveus (Hübner,[1803])**

*Papilio alveus* Hübner,[1803], *Samml. eur. Schmett.* 1: pl.92 figs.461-463. Neotype ♂: Deutschl.: Münzinger Alb, Mehrstetten (Renner,1991). Menidas isimler: *alveus* Hübner,[1803]; *alticolus* Rebel,1910; *ryffelenensis* Oberthür,1910; *claralveus* Verity,1934; *confusa* Renner,1991; *germanica* Renner,1991. Tarqilişi (sémvoli): Am At Kts AT Ba BE BG BY CH CN CZ DE DZ EE ES FI FR GR HU Ii IT Kr LT LU LV MA

MK NL NO PL PT RO RU Sb SE Sj SK Sm So Sr TR Ts UA VI YU Mt Ko Kuz Sau Tar DsA KG Fauna rayonining éliminti (sémvoli): 132 21a\*

### **Pyrgus carthami (Hübner,[1813])**

*Papilio carthami* Hübner,[1813], Samml. eur. Schmett. 1: pl.143 figs. 721-723. Syntypes: Europa. Menidaş isimler: *carthami* Hübner,[1813] Tarqilişi (sémvoli): Ab AL AT Ba BE BG B-H Brd Bv Bw BY CH CZ DE ES FR GR HU HV IR IT KG Kp LT MK Mn NL PL PT Py RO RU Sb Sb SK Sm So Sr SS TM TR UA Uk VI YU Mt Aq Ur Fauna rayonining éliminti (sémvoli): 132 21\*

### **Pyrgus malvae (Linnaeus,1758)**

*Papilio malvae* Linnaeus,1758, Syst. Nat. (Edn.10)1: 485. Type(s): [Europa]. Menidaş isimler: *malvae* Linnaeus,1758; *minor* Esper,1777; *sao* Bergsträßer,1779; *taras* Bergsträßer,1780; *altheae* Esper,1783; *malvarum* Ochsenheimer,1808; *cardui* Latreille,1823; *elegantior* Verity,1934; *#extrema* Pfeiffer,1938. Tarqilişi (sémvoli): AL AT Ba BE BG Bw BY CH CN CZ DE DK EE ES FI FR GB GR HU IT KG Kr LT LU LV NL NO PL PT RO RU SE SK Sm So Sr TR T-S UA Ui VI YU Cw Dv Smt H-W Sur Ssx Ken Ko Mt Uk TrA DsA Tar Sau Mn Sp Aem Ax Kuz Aq Fauna rayonining éliminti (sémvoli): 132 11b\*

### **Pyrgus oberthuri Leech,1891**

*Pyrgus oberthuri* Leech,1891, Entomologist 24 (suppl.): 59. Type(s): China: Wa Ssu Kow. Menidaş isimler: *oberthuri* Leech,1891 Tarqilişi (sémvoli): CN Yu Sz KG Nrk Fauna rayonining éliminti (sémvoli): 142 43\*

### **Pyrgus serratulae (Rambur,[1839])**

*Hesperia serratulae* Rambur,[1839], Faune ent. Andalousie 2 (4): 318, Pl.8, figs.9,m. Type(s): Andalousie (BMNH). Menidaş isimler: *serratulae* Rambur,[1839]; *caecus* Freyer,1846; *occidentalis* Lucas,1910 nec Skinner,1906; *planorum* Verity,1925; *magnagallica* Verity,1931; *plurisignata* Silbernagel,1946; *arvernensis* Picard,1948. Tarqilişi (sémvoli): AL AT At Ba BG B-H BL BY CH CZ DE DK EE ES FR GR HU HV Ir IT KG Kp LB LT LU LV MK PL PT Py RO RU SK So Sr SS TM TR UA Uk VI YU Mt Ko GG AM IR IQ Sau Tar Mn Fauna rayonining éliminti (sémvoli): 132 21b\*

### **Pyrgus sidae (Esper,[1784])**

*Papilio sidae* Esper,[1784], Die Schmett. 1(2): 178, pl.90 fig.3. Syntypes: Russia: Wolga. Menidaş isimler: *sidae* Esper,[1784] Tarqilişi (sémvoli): AL Ba BG B-H BY ES FR GR HV IT Kp MK RO RU So Sr SS TM TR UA VI YU Mt Ko KG Uk KK Na Ket Ax Ug Fauna rayonining éliminti (sémvoli): 132 21b\*

### **Spialia (Neospialia) orbifer (Hübner,[1823])**

*Papilio orbifer* Hübner,[1823], Samml. eur. Schmett. 1: pl.161 figs. 803-806. Syntypes: Europa. Menidaş isimler: *orbifer* Hübner,[1823]; *tesselloides* Herrich-Schäffer,[1845]. Tarqilişi (sémvoli): AF AL At Kts Ba BG BY CN GR HU HV JO IQ IR KG KK Kr MK RO RU Si SK Sm Sr SS TR T-S UA Ui VI YU Mt Ko Mn Sp Tk Aa Tm Sau Mrk Tar TrA DsA Ax TeA Fauna rayonining éliminti (sémvoli): 142 11\*

### **Spialia (s.str.) struvei (Püngeler,1914)**

*Hesperia struvei* Püngeler,1914, Dt. ent. Z., Iris 28: 37, Taf. 2 figs. 13,20. Syntypes: [China: Uighur A.R.]: Barkul. Menidaş isimler: *struvei* Püngeler,1914 Tarqilişi (sémvoli): Bkr CN Fe Nc Ord Ui IR DsA KG Mg KK Al Fauna rayonining éliminti (sémvoli): 142 31\*

### **Eogenes alcides Herrich-Schäffer,[1852]**

*Hesperia alcides* Herrich-Schäffer,[1852], Syst. Bearb. Schmett. Eur.6:38; ibidem 1:pl.7,figs.41-42. Syntypes: [Türkei]: Amasia. Menidaş isimler: *Eogenes alcides* Herrich-Schäffer,[1852] Tarqilişi (sémvoli): Bl Ci CN GG IQ Kp PK TM TR Ui Ii Tk KG Fauna rayonining éliminti (sémvoli): 142 24f\*

### **Hesperia comma (Linnaeus,1758)**

*Papilio comma* Linnaeus,1758, Syst. Nat. (Edn.10) 1: 484. Type(s): Europe. Menidaş isimler: *comma* Linnaeus,1758; *virgula* Retzius,1783; *alpina* Bath,1896; *galliaemeridiei* Verity,1928; *alpapennina* Verity,1928; *alpiumflava* Verity,1928; *macrocomma* Verity,1928; *superalpina* Verity,1928; *atralpina* Verity,1928. Tarqilişi (sémvoli): AF AL KK At Kts AT Ba BE BG Bqu Btn BY B-H CH Ci CN CZ DE DK EE ES FI FR GB GR HU HV IN IT Ju Kbb Ku Ld Lho LT LU LV MK NL No NO PK PL PT RO RU SE Sha Si SK Sm So Sr Sz TR Ts T-S T-T SS UA Ui Up Vi Yu YU Sur Ssx Mt Ko MA DZ TN KG Uk Rk Pw Om Mn Sp Or Bs Amd Kg Ur Sb Tt TJ Pm Al DsA KuA TrA Tls Ax Ket Fauna rayonining éliminti (sémvoli): 131 1b\*

### **Ochlodes venatus (Bremer & Grey,[1852])**

*Hesperia venata* Bremer & Grey,1852, [in] Motschulsky, Etüd. Ent. 1: 161. Type(s): China. Menidaş isimler: *venatus* Bremer & Grey,[1852] Tarqilişi (sémvoli): AL Am Amd Ao Kts AT Ba BG BL BY CH CN CZ DE DK EE ES FI FR GB GR HU IT Kr LT LU LV Mc Na NL NO PL PT RO RU SE Si SK Sm So Sr Sz Ti TR Ts T-S T-T UA Ui V1 Vv Yu Cw Dv Smt H-W Sur Ssx Ken Mt Ko B-H HV SS MK SY KK KG Or Uk Bs Tr Cb Kg Ty Kw Pw Om No At Mn Sp Tk Aa Db Kuz Sli Sau Tar DsA Ket Tu TeA KuA TrA Tls Ax Fauna rayonining éliminti (sémvoli): 142 12\*

### **Thymelicus lineolus (Ochsenheimer,1808)**

*Papilio lineola* Ochsenheimer,1808, Schmett. Eur. 1(2):230-231. Type(s): Germania. Menidaş isimler: *lineolus* Ochsenheimer,1808; *virgula* Hübner,1813; *melissus* Zerny,1932; *forax* Hemming,1934. Tarqilişi (sémvoli): At Kts AF AL Ao AT Ax Ba BG B-H BL BY CH CN Co CZ DE DK EE ES FI FR GB GR HU HV IL IR IT JO KG KK LB LT LU LV MA MK NL NO Pa PL PT RO RU SE Si SK Sm So Sr SS TM TR T-S UA Ui Uk VI YU Sur Ssx Ken Mt Ko DZ TN Or Bs Tt Cb Kg Ty Kt Rk Pw Ka Sp Mn No Tk Aa Aq Tm Kuz Sli Sau Tar DsA Ax Tls TrA Fauna rayonining éliminti (sémvoli): 131 1b\*

## 2. Qazaqistan faunasini teşkil qilidigan fauna rayonlari elimintlirining tizimligi

Qazaqistanda hozirgiqé éniqlap çiqilgan mevcut 337 tür képinek Holarctic alimining 54 fauna rayoniğa mensup élimintlerdur. Başıqçe qılıp éytsaq, Qazaqistan képinek faunası 54 perıqlıq fauna rayonining élimintliridin meydanga kelmekte. Bu yerde fauna çuşençisi ikki xil menada işlitildi. Birincisi, fauna élimintliri arqılıq temsil qilinidigan zoocoğrafiyelik bir rayon; İkkincisi, Qazaqistan topraqliridiki képinek türleridur. Zoocoğrafiyelik cehettin Kostrowickige köre, belgülengen 54 fauna rayoni perqliq sandiki élimintliri bilen Qazaqistanning képinek faunasini teşkil qilidu. Bu élimintler, vekillik qilidigan fauna rayonlirining isimlirining astida bérildi. Tövende her bir fauna rayonliriğa vekillik qilidigan herpler sémvol xarektiride sunuldi.

### 111 3 Arctic-Alpine element

*Polyommatus (Agriades (s.str.)) glandon (De Prunner,1798)*

### 113 1b Arctic-west Palaearctic element

*Erebia pandrose (Borkhausen,1788); Oeneis norna (Thunberg,1791).*

### 121 1 Holarctic-Boreal Transcontinental element

*Boloria (Clossiana) euphrosyne (Linnaeus,1758); Boloria (Clossiana) freija (Thunberg,1791); Boloria (Clossiana) frigga (Thunberg,1791); Boloria (Clossiana) thore (Hübner,[1803]); Boloria (Proclossiana) eunomia (Esper,[1799]); Coenonympha tullia (Müller,1764); Colias palaeno (Linnaeus,1761); Parnassius (s.str.) phoebus (Fabricius,1793).*

### 121 2 Holarctic-Boreal East-Palaearctic element

*Erebia rossii (Curtis,1834); Euchloe (s.str.) creusa (Doubleday & Hewitson,1847); Parnassius (s.str.) eversmanni [Ménétriés],1850.*

### 122 1 Palaearctic-Boreal Transcontinental element

*Coenonympha hero (Linnaeus,1761); Erebia ligea (Linnaeus,1758).*

### 122 2 Palaearctic-Boreal West-mid-Palaearctic element

*Parnassius (s.str.) apollo (Linnaeus,1758); Polyommatus (Aricia (Pseudoaricia)) nicias (Meigen,1830).*

### 122 3 Palaearctic-Boreal East-mid-Palaearctic element

*Erebia cyclopius (Eversmann,1844).*

### 122 4 Palaearctic-Boreal East-Palaearctic element

*Erebia jennisensis Trybom,1877; Mellicta centralasiae (Wnukowsky,1929)*

### 131 1a Holarctic-temperate Transcontinental Temperate-Boreal element

*Boloria (Clossiana) selene ([Denis & Schiffermüller],1775); Erebia callias Edwards,1871; Melitaea diamina (Lang,1789).*

### 131 1b Holarctic-temperate Transcontinental Temperate-Meridional element

*Aporia (s.str.) crataegi (Linnaeus,1758); Hesperia comma (Linnaeus,1758); Nymphalis antiopa (Linnaeus,1758); Papilio (s.str.) machaon Linnaeus,1758; Pieris (Artogeia) napi (Linnaeus,1758); Pieris (Artogeia) rapae (Linnaeus,1758); Polygonia c-album (Linnaeus,1758); Thymelicus lineolus (Ochsenheimer,1808).*

### 131 2a Holarctic-temperate West-mid-Palaearctic European-west-Siberian element

*Boloria (Clossiana) dia (Linnaeus,1767); Coenonympha pamphilus (Linnaeus,1758).*

### 131 2b Holarctic-temperate West-mid-Palaearctic Central-Siberian element

*Erebia haberhaueri Staudinger,1881; Glaucopsyche (Bajluana) argali (Elwes,1899).*

### 131 3 East Palaearctic element

*Erebia theano (Tauscher,1806)*

### 132 11a Temperate-Palaearctic Temperate-suboceanic-oceanic element

*Argynnis (Speyeria) aglaja (Linnaeus,1758); Argynnis (s.str.) paphia (Linnaeus,1758); Gonepteryx (s.str.) rhamni (Linnaeus,1758).*

### 132 11b Temperate-Palaearctic Temperate subcontinental-continental element

*Aglais urticae (Linnaeus,1758); Anthocharis cardamines (Linnaeus,1758); Brenthis ino (Rottemburg,1775); Callophrys rubi (Linnaeus,1758); Coenonympha oedippus (Fabricius,1787); Cupido (s.str.) minimus (Fuessly,1775); Glaucopsyche (s.str.) alexis (Poda,1761); Heodes (Palaeochrysophanus) hippothoe (Linnaeus,1761); Heodes (s.str.) virgaureae (Linnaeus,1758); Limenitis populi (Linnaeus,1758); Lopinga achine (Scopoli,1763); Maculinea arion (Linnaeus,1758); Maculinea telejus (Bergsträßer,[1779]); Mellicta britomartis (Assmann,1847); Neptis sappho (Pallas,1771); Nymphalis xanthomelas (Esper,[1781]); Polyommatus (Aricia (Eumedonia)) eumedon (Esper,[1780]); Polyommatus (s.str. (Cyaniris)) semiargus (Rottemburg,1775); Polyommatus (s.str. (Plebicula)) amandus (Schneider,1792); Polyommatus (s.str.) eros (Ochsenheimer,1808); Polyommatus (s.str.) icarus (Rottemburg,1775); Pyrgus malvae (Linnaeus,1758); Satyrium (Strymonidia) pruni (Linnaeus,1758); Scolitantides orion (Pallas,1771); Thecla betulae (Linnaeus,1758).*

### 132 11c Temperate-Palaearctic Submeridional-suboceanic element

*Neptis rivularis (Scopoli,1763)*

### 132 11d Temperate-Palaearctic Submeridional-subcontinental element

*Colias hyale* (Linnaeus,1758); *Erynnis tages* (Linnaeus,1758); *Hyponphele* (s.str.) *lycaon* (Rottemburg,1775); *Melitaea phoebe* (Goeze,1779); *Thersamonia* (*Thersamolycaena*) *dispar* ([Haworth],1802).

### **132 12 European-Manchurian element**

*Muschampia cribrellum* (Eversmann,1841)

### **132 12a European-Manchurian Temperate-suboceanic element**

*Inachis io* (Linnaeus,1758); *Plebejus* (s.str.) *argus* (Linnaeus,1758); *Satyrrium* (*Strymonidia*) *w-album* (Knoch,1782).

### **132 12b European-Manchurian Temperate-subcontinental element**

*Apatura ilia* ([Denis & Schiffermüller],1775); *Araschnia levana* (Linnaeus,1758); *Brenthis daphne* (Bergsträsser,1780); *Erebia aethiops* (Esper,[1777]); *Limenitis camilla* (Linnaeus,1764); *Polyommatus* (*Aricia* (s.str.)) *artaxerxes* (Fabricius,1793).

### **132 12c European-Manchurian Submeridional-subcontinental element**

*Apatura metis* Freyer,1829; *Leptidea morsei* (Fenton,1881); *Plebejus* (*Lycaeides*) *argyrognomon* (Bergsträßer,[1779]); *Satyrrium* (*Strymonidia*) *spini* (Fabricius,1787).

### **132 21 European-Altai-Turanian element**

*Pyrgus carthami* (Hübner,[1813])

### **132 21a European-Altai element**

*Coenonympha glycerion* (Borkhausen,1788); *Cupido* (Everes) *alcetas* (Hoffmannsegg,1804); *Leptidea sinapis* (Linnaeus,1758); *Lycaena* (*Helleia*) *helle* ([Denis & Schiffermüller],1775); *Maculinea alcon* ([Denis & Schiffermüller],1775); *Maculinea nausithous* (Bergsträßer,[1779]); *Maniola jurtina* (Linnaeus,1758); *Pyrgus alveus* (Hübner,[1803]).

### **132 21b European-Turanian element**

*Arethusana arethusia* ([Denis & Schiffermüller],1775); *Argynnis* (*Fabriciana*) *niobe* (Linnaeus,1758); *Boloria* (s.str.) *napaea* (Hoffmannsegg,1804); *Brenthis hecate* ([Denis & Schiffermüller],1775); *Carcharodus* (*Reverdinus*) *flocciferus* (Zeller,1847); *Carcharodus* (s.str.) *alceae* (Esper,[1780]); *Cupido* (s.str.) *osiris* (Meigen,[1829]); *Euphydryas* (*Hypodryas*) *matura* (Linnaeus,1758); *Heodes* (*Alciphronia*) *alciphron* (Rottemburg,1775); *Heodes* (*Loweia*) *tityrus* (Poda,1761); *Hyponphele* (s.str.) *lupina* (Costa,[1836]); *Ipheclides podalirius* (Linnaeus,1758); *Lasiommata maera* (Linnaeus,1758); *Melitaea cinxia* (Linnaeus,1758); *Mellicta aurelia* (Nickerl,1850); *Nymphalis polychloros* (Linnaeus,1758); *Papilio* (s.str.) *alexanor* Esper,[1800]; *Parnassius* (*Driopa*) *mnemosyne* (Linnaeus,1758); *Polyommatus* (*Aricia* (s.str.)) *agestis* ([Denis & Schiffermüller],1775); *Polyommatus* (s.str. (*Admetusia*)) *ripartii* (Freyer,[1830]); *Polyommatus* (s.str. (*Agrodiaetus*)) *damon* ([Denis & Schiffermüller],1775); *Pontia edusa* (Fabricius,1777); *Pyrgus serratalae* (Rambur,[1839]); *Pyrgus sidae* (Esper,[1784]).

### **132 22a European-west Siberian element**

*Polyommatus* (s.str. (*Plebicula*)) *dorylas* ([Denis & Schiffermüller],1775); *Quercusia quercus* (Linnaeus,1758).

### **132 22c European-montane forest element**

*Pieris* (*Artogeia*) *bryoniae* (Hübner,[1804]).

### **132 23a South-European-submeridional element**

*Colias sareptensis* Staudinger,1881; *Melanargia galathea* (Linnaeus,1758); *Zerynthia* (s.str.) *polyxena* ([Denis & Schiffermüller],1775).

### **132 23c Pontic element**

*Colias myrmidone* (Esper,[1781]); *Muschampia proteides* (Wagner,1929); *Polyommatus* (s.str. (*Admetusia*)) *admetus* (Esper,[1783]); *Polyommatus* (s.str. (*Meleageria*)) *daphnis* ([Denis & Schiffermüller],1775); *Polyommatus* (s.str. (*Neolysandra*)) *coelestinus* (Eversmann,1843); *Polyommatus* (s.str.) *eroides* (Frivaldsky,1835); *Rubrapterus bavius* (Eversmann,1832); *Satyrrium* (*Nordmannia*) *acaciae* (Fabricius,1787).

### **132 24a Altai-Sajan element**

*Erebia brimo* (Boeber,1809); *Erebia kefersteinii* (Eversmann,1851); *Erebia kindermanni* Staudinger,1881; *Erebia stubbendorffii* Ménétériés,1846; *Euchloe* (s.str.) *naina* Kozhantshikov,1923; *Euphydryas* (*Eurodryas*) *banghaasi* (Seitz,1908); *Melitaea latonigena* Eversmann,1847; *Oeneis aktashi* Lukhtanov,1984; *Oeneis mulla* Staudinger,1881; *Oeneis sculda* (Eversmann,1851); *Pieris* (*Artogeia*) *eurorientis* Verity,[1908]; *Polyommatus* (s.str.) *erotides* (Staudinger,1892).

### **132 24c Altai-Turano-Tibetan element**

*Chazara* (*Neochazara*) *heydenreichi* (Lederer,1853); *Parnassius* (s.str.) *ariadne* Lederer,1853; *Plebejus* (*lucifera*-gr) *lucifera* (Staudinger,1867).

### **132 31a Pacific-Ural element**

*Crebeta deidamia* (Eversmann,1851); *Tongeia fischeri* (Eversmann,1843).

### **132 31b Amurian-Ural element**

*Boloria* (*Clossiana*) *selenis* (Eversmann,1837); *Coenonympha amaryllis* (Stoll,[1782]).

### **132 32a Amuro-Altai element**

*Limenitis sydyi* Lederer,1853; *Satyrrium* (*Strymonidia*) *prunoides* (Staudinger,1887).

### **132 32b Japanese-Altai element**

*Ahlbergia frivaldskyi* (Lederer,1855); *Limenitis helmanni* Lederer,1853.

### **132 33 Amurian element**

*Karanasa abramovi* (Erschoff,1884).

### **141 1 Holarctic Meridional element**

*Pontia callidice* (Hübner,[1800])

#### **142 11 Palaearctic Meridional Transpalaearctic element**

*Melitaea didyma* (Esper,[1779]); *Pontia chloridice* (Hübner,[1813]); *Spialia* (*Neospialia*) *orbifer* (Hübner,[1823]).

#### **142 12 Palaearctic Meridional Mediterranean-Japanese element**

*Libythea celtis* (Laicharting,1782); *Melitaea fascelis* (Fabricius,1787); *Ochlodes venatus* (Bremer & Grey,[1852]); *Pseudochazara* (s.str.) *hippolyte* (Esper,[1784]).

#### **142 21 Palaearctic Meridional West Palaearctic Mediterranean-West Tibetan element**

*Argynnis* (*Pandoriana*) *pandora* ([Denis & Schiffermüller],1775); *Chazara* (s.str.) *briseis* (Linnaeus,1764); *Muschampia tessellum* (Hübner,[1802]); *Pieris* (s.str.) *brassicae* (Linnaeus,1758); *Plebejus* (*Lycaeides*) *idas* (Linnaeus,1761); *Plebejus* (*Plebejides*) *pylaon* (Fischer v. Waldheim,1832); *Polyommatus* (s.str. (*Thersitesia*)) *thersites* (Canterer,[1835]); *Proterebia afra* (Fabricius,1787); *Pseudophilotes vicrama* (Moore,1865); *Thersamonia* (s.str.) *thersamon* (Esper,[1784]); *Vanessa atalanta* (Linnaeus,1758); *Zegris eupheme* (Esper,[1804]).

#### **142 22a Palaearctic Meridional West Palaearctic North Mediterranean Circummediterranean element**

*Colias crocea* (Fourcroy,1785); *Euchloe* (s.str.) *ausonia* (Hübner,[1804]); *Satyrus ferula* (Fabricius,1793).

#### **142 24a Palaearctic Meridional West Palaearctic All West Asiatic element**

*Chazara* (*Neochazara*) *anthe* (Hoffmannsegg,1804); *Pieris* (*Artogeia*) *krueperi* Staudinger,1860; *Polyommatus* (*Albulina* (*Plebejidea*)) *loewii* (Zeller,1847); *Tomares callimachus* (Eversmann,1848).

#### **142 24f Palaearctic Meridional West Palaearctic West Asiatic Iranian element**

*Eogenes alcides* Herrich-Schäffer,[1852].

#### **142 3 Palaearctic Meridional Central Asiatic element**

*Aporia* (*Metaporia* (*Turanoporia*)) *leucodice* (Eversmann,1843).

#### **142 31 Palaearctic Meridional All Central Asiatic element**

*Chazara* (*Neochazara*) *enervata* (Staudinger,1881); *Chazara* (s.str.) *kaufmanni* (Erschoff,1874); *Cigaritis epargyros* (Eversmann,1854); *Cupido* (*Everes*) *decolor* (Staudinger,1886); *Glaucopsyche* (s.str.) *aeruginosa* (Staudinger,1881); *Glaucopsyche* (s.str.) *laetifica* (Püngeler,1898); *Hipparchia* (s.str.) *autonoe* (Esper,[1783]); *Hyponephele* (s.str. (*Caspinephele*)) *dysdora* (Lederer,1869); *Hyponephele* (s.str. (*Ereminephele*)) *fusca* (Stshetkin,1960); *Hyponephele* (s.str. (*Ereminephele*)) *naricina* (Staudinger,1870); *Hyponephele* (s.str.) *interposita* (Erschoff,1874); *Melanargia russiae* (Esper,[1784]); *Melitaea arduinna* (Fabricius,1787); *Melitaea enarea* Fruhstorfer,1916; *Microzebris pyrothoe* (Eversmann,1832); *Muschampia antonia* (Speyer,1879); *Muschampia kuenlunus* (Groum-Grshimailo,1893); *Muschampia lutulentus* (Groum-Grshimailo,1887); *Muschampia staudingeri* (Speyer,1879); *Oeneis tarpeia* (Pallas,1771); *Plebejus* (*Lycaeides*) *agnata* (Staudinger,1889); *Plebejus* (*Plebejides*) *zephyrinus* (Christoph,1884); *Polygonia undina* (Groum-Grshimailo,1890); *Polyommatus* (*Aricia* (*Umpria*)) *myrmecias* (Christoph,1877); *Polyommatus* (s.str. (*Admetusia*)) *phyllides* (Staudinger,1886); *Polyommatus* (s.str. (*Agrodiaetus*)) *damone* (Eversmann,1841); *Polyommatus* (s.str. (*Elviria*)) *cyane* (Eversmann,1837); *Pyrgus alpinus* (Erschoff,1874); *Spialia* (s.str.) *struvei* (Püngeler,1914); *Triphysa phryne* (Pallas,1771).

#### **142 32 Palaearctic Meridional Central Asiatic Aralo-Caspian element**

*Athamanthia athamantis* (Eversmann,1854); *Hyponephele* (s.str. (*Ereminephele*)) *huebneri* Koçak,1980; *Lyela myops* (Staudinger,1881); *Neolycaena* (*Rhymnaria*) *rhymnus* (Eversmann,1832); *Otmjukovia tatjana* (Zhdanko,1984); *Polyommatus* (*Albulina* (*Plebejidea*)) *ferganus* (Staudinger,1881); *Polyommatus* (s.str. (*Elviria*)) *elvira* (Eversmann,1854); *Praepilotes anthracias* (Christoph,1877); *Praepilotes panope* (Eversmann,1851).

#### **142 33 Palaearctic Meridional Central Asiatic Turanian element**

*Argynnis* (*Speyeria*) *vitatha* Moore,1874; *Athamanthia alexandra* (Püngeler,1901); *Athamanthia dimorpha* (Staudinger,1881); *Boloria* (*Proclossiana*) *erubescens* (Staudinger,1901); *Boloria* (s.str.) *generator* (Staudinger,1886); *Callophrys suaveola* (Staudinger,1881); *Callophrys titanus* Zhdanko,1998; *Coenonympha mahometana* Alpheraky,1881; *Coenonympha nolckeni* Erschoff,1874; *Coenonympha sunbecca* (Eversmann,1843); *Colias erschoffii* Alpheraky,1881; *Colias romanovi* Groum-Grshimailo,1885; *Colias staudingeri* Alpheraky,1881; *Colias thisoa Ménétériés*,1832; *Colias wiskotti* Staudinger,1882; *Cupido* (s.str.) *buddhista* (Alpheraky,1881); *Erebia kalmuka* Alpheraky,1881; *Erebia melanops* Christoph,1889; *Erebia meta* Staudinger,1886; *Erebia ocnus* (Eversmann,1843); *Erebia radians* Staudinger,1886; *Erebia sibo* Alpheraky,1881; *Erebia tianschanica* Alpheraky,[1894]; *Erebia turanica* Erschoff,1877; *Euphydryas* (*Eurodryas*) *asiatica* (Staudinger,1881); *Glaucopsyche* (s.str.) *charybdis* (Staudinger,1886); *Hyponephele* (s.str. (*Iranonephele*)) *glasunovi* (Groum-Grshimailo,1893); *Hyponephele* (s.str. (*Iranonephele*)) *naubidensis* (Erschoff,1874); *Hyponephele* (s.str. (*Tengrinephele*)) *cadusina* (Staudinger,1881); *Hyponephele* (s.str. (*Tengrinephele*)) *kirghisa* (Alpheraky,1881); *Hyponephele* (s.str. (*Turkestaninephele*)) *germana* (Staudinger,1887); *Hyponephele* (s.str. (*Turkestaninephele*)) *haberhaueri* (Staudinger,1886); *Hyponephele* (s.str. (*Turkestaninephele*)) *rueckbeili* (Staudinger,1887); *Hyponephele* (s.str.) *dzhungarica* Samodurov,1996; *Hyponephele* (s.str.) *jasavi* Lukhtanov,1990; *Hyponephele* (s.str.) *przhewalskyi* Dubatolov, Sergeev & Zhdanko,1994; *Karanasa josephi* (Staudinger,1882); *Karanasa kasakstana* (O.Bang-Haas,1936); *Karanasa regeli* (Alpheraky,1881); *Karanasa wilkinsi* (Erschoff,1884); *Melanargia parce* Staudinger,1882; *Melitaea asteroida* Staudinger,1881; *Melitaea chitralensis* Moore,1901; *Melitaea danieli* Achetlik,1999; *Melitaea fergana* Staudinger,1882; *Melitaea infernalis* Groum-Grshimailo,1891; *Melitaea lunulata* Staudinger,1901; *Melitaea minerva* Staudinger,1881; *Melitaea ninae* Sheljuzhko,1935; *Melitaea sibina* Alpheraky,1881; *Melitaea uitasica* Wagner,1913; *Mellicta alatauca* (Staudinger,1881); *Neolycaena* (*Rhymnaria*) *eckweileri* Lukhtanov,1993; *Neolycaena* (*Rhymnaria*) *iliensis* (Groum-Grshimailo,1891); *Neolycaena* (*Rhymnaria*) *rufina* Lukhtanov,1994; *Neolycaena* (*Rhymnaria*) *submontana* Zhdanko,1994; *Oeneis fulla* (Eversmann,1851); *Oeneis hora* Groum-Grshimailo,1888; *Paralasa kusnezovi* (Avinoff,1910); *Parnassius* (s.str.) *apollonius* (Eversmann,1847); *Parnassius* (s.str.) *boedromius* Püngeler,1901; *Parnassius* (s.str.) *discobolus* Staudinger,1881; *Parnassius* (s.str.) *maximinus* Staudinger,1891; *Phoenicurusia margelanica* (Staudinger,1881); *Pieris* (*Artogeia*) *banghaasi* Sheljuzhko,1910; *Pieris* (*Artogeia*) *narina* Bollow,1930; *Plebejus* (*Plebejides*) *usbekus* Forster,1939; *Polygonia interposita* Staudinger,1881; *Polyommatus* (s.str. (*Agrodiaetus*)) *iphigenides* (Staudinger,1886); *Polyommatus* (s.str. (*Agrodiaetus*)) *juldusus* (Staudinger,1886); *Polyommatus* (s.str. (*Agrodiaetus*)) *praeactinides* (Forster,1960); *Polyommatus* (s.str. (*Cyaniris*)) *persephatta* (Alpheraky,1881); *Polyommatus* (s.str. (*Elviria*)) *miris* (Staudinger,1881); *Polyommatus* (s.str.) *amor* (Lang,1884); *Polyommatus* (s.str.) *icadius* (Groum-Grshimailo,1890); *Pseudochazara* (s.str.) *turkestanica* (Groum-Grshimailo,1893); *Satyrrium* (*Superflua*) *acaudatum* (Staudinger,1901); *Tomares fedtschenkoi* (Erschoff,1874); *Turanana panaegides* (Staudinger,1886); *Zegris fausti* Christoph,1877.

#### **142 34 Palaearctic Meridional Central Asiatic Afghanian element**

*Hypermnestra helios* (Nickerl,1846); *Lasiommata menava* Moore,1865; *Melitaea athene* Staudinger,1881; *Plebejus* (*Alpherakya*) *sartus* (Alpheraky,1881); *Plebejus* (*Lycaeides*) *christophi* (Staudinger,1874); *Polycaena tamerlana* Staudinger,1886.

#### **142 35 Palaearctic Meridional Central Asiatic Kashgarian-North Tibetan element**

*Coenonympha mongolica* Alpheraky, 1881; *Colias cocandica* Erschoff, 1874; *Colias tyche* (Boeber, 1812); *Cupido* (s.str.) *prosecusa* (Erschoff, 1874); *Esperarge eversmanni* (Eversmann, 1847); *Melitaea ala* Staudinger, 1881; *Neolycaena* (*Rhymnaria*) *tengstroemi* (Erschoff, 1874); *Neolycaena* (s.str.) *sinensis* (Alpheraky, 1881); *Parnassius* (s.str.) *actius* (Eversmann, 1843); *Parnassius* (s.str.) *delphius* (Eversmann, 1843); *Parnassius* (s.str.) *tianschanicus* Oberthür, 1879; *Polyommatus* (*Agriades* (s.str.)) *pheretides* (Eversmann, 1843); *Thersamonia* (*Thersamolycaena*) *splendens* (Staudinger, 1881).

#### **142 43 Palaearctic Meridional East Palaearctic East Tibetan-Szechuanian element**

*Pyrgus oberthuri* Leech, 1891.

#### **211 1 Cosmopolitan element**

*Cynthia cardui* (Linnaeus, 1758); *Danaus* (*Anosia*) *chrysippus* (Linnaeus, 1758).

#### **211 2 Holarctic-Oriental element**

*Celastrina argiolus* (Linnaeus, 1758); *Cupido* (*Everes*) *argiades* (Pallas, 1771).

#### **221 1 Palaearctic-Palaeotropical Transpalaearctic-Palaeotropical element**

*Colias erate* (Esper, [1805]); *Lampides boeticus* (Linnaeus, 1767); *Lycaena* (s.str.) *phlaeas* (Linnaeus, 1761); *Argynnis* (*Argyronome*) *laodice* (Pallas, 1771); *Issoria lathonia* (Linnaeus, 1758).

#### **222 2 Palaearctic-Oriental Central Asiatic-Oriental element**

*Thersamonia* (s.str.) *solskyi* (Erschoff, 1874)

#### **322 1 Palaeotropical All Oriental element**

*Pieris* (*Artogeia*) *canidia* (Sparrman, 1768)

#### **2<sup>19</sup>**

*Ahlbergia arquata* Johnson, 1992; *Colias poliographus* Motschulsky, 1860.

Grapik 1. Qazaqiastan'ning fauna rayonliriga qarita élimintlarning sani, nisbiti

Fauna rayonining sémvolluq nomuri	Élément sani	Nisbiti %	Enqere faunasining élémintlirining sani
142 33	70	20,77	0↓ *
142 31	30	8,90	0↓ *
132 11b	25	7,41	14↓
132 21b	24	7,12	21
142 35	13	3,85	0↓ *
132 24a	12	3,56	0↓
142 21	12	3,56	12
142 32	09	2,67	0↓ *
121 1	08	2,37	3↓
131 1b	08	2,37	8
132 21a	08	2,37	3↓
132 23c	08	2,37	9↑
132 12b	06	1,78	2↓
142 34	06	1,78	0↓
132 11d	05	1,48	2↓
221 1	05	1,48	2↓
132 12c	04	1,18	1↓
142 12	04	1,18	3↓
142 24a	04	1,18	38↑ *
142 11	03	0,89	4↑
121 2	03	0,89	0↓
131 1a	03	0,89	1↓
132 11a	03	0,89	4↑
132 12a	03	0,89	3
132 23a	03	0,89	7↑
132 24c	03	0,89	0↓
142 22a	03	0,89	5↑
Başqiliri	36	10,68	
Toplam	337	100,00	

Grapik 1'de melum bolg'inidek, Qazaqistanni temsil qilgan fauna rayonliri arisida deslepti töt qatardikiler Qazaqistan'da mevcut élimintlarning sani ve nisbetliri mundaq: "Palaearctic Meridional Central Asiatic Turanian element" (70sp., 20,77%); "Palaearctic Meridional All Central Asiatic element" (30sp., 8,90%); "Temperate-Palaearctic

<sup>19</sup> Tarqilişi bilen munasivetlik melumatlar yéterlik bolmıganlıki üçün, bu maqalida türning qaysu fauna rayoniğa ait élimint ikenligi békıtilmıdi.

Temperate subcontinental-continental element" (25sp., 7,41%); "West Palaearctic European-Turanian element" (24sp., 7,12%).

Eslide deslepki ikki qurdiki élimintler Orta Asiye üçün tipik bolup, bular cemi 100 tür, igelligen pirsenti 29.67% ve bu pütün faunaning 1/3 sige yéqinlaşmaqta. Ğerbi Asiye élimintliri Qazaqistan faunasida peqet 4 tür bilen 1.18 nisbette közge çéliqivatqan bolsimu, Anatoliye ve İran topraqlirida herxil step formasyonlirida keng kölemde otturğa çıqmaqta. Qazaqistan faunasining élimintliri Meusel, Weinert & Jaeger'ge (1966) köre klimatik-véjétyasyon belvağliri (zonliri) cehettin témpérate-méridional belvağqa, iqlimsel nemlik cehettin subcontinental-continental iqlimğa aittur.

Grapik 1. ning ong tereptiki stonda yer alğan Enqere fauna élimintlirining san cehettin sélişturmisi mundaq: Enqerede Qazaqistanğa qarışanda 19 fauna rayoni nisbeten az fauna éliminti bilen temsil qilinmaqta. Bu fauna rayonliri "↓" bilen işaretlendi. Bular arisinda Enqerede 142 33, 142 31 kotliri bilen ipadilen'gen fauna rayonliriğa ait fauna élimintliri mevcut emes. Lékin, Enqerede toplam 38 élimint bilen temsil qilingan 142 24a koti bilen ipadilen'gen Ğerbi Asiye fauna rayoni Qazaqistanda peqet 4 élimint bilen temsil qilinmaqta. Grapikte körsütülgen sanliq melumatlar, Enqere ve Qazaqistaning İran-Turan içide bolsimu, faunalirining Ğerbi Asiye ve Orta Asiye fauna rayonliri cehettin neqeder perqliq ikenligini éniq otturğa qoymaqta.

### 3. Qoşumçe – I. Dölet, coğrafiyelik rayonlar ve ularning kotliri (Bu kotlar CESAning bundin keyinki tetqiqatlırida qollinlidu) <<http://www.members.tripod.com/entlep/code.htm>>

<b>A-D</b> Aksu-Dshabagly N.P. (KG)	<b>Act</b> Albacete (C-M ES)	<b>Alc</b> Alicante (Vcl ES)	<b>Ark</b> Arki (GR Ae)	<b>BCo</b> British Columbia (CA)	<b>Bcl</b> Basilicata (IT)
<b>AA</b> America	<b>Ad</b> Aden (YE)	<b>Ale</b> Aley (LB)	<b>Arl</b> Aralık (TR)	<b>BD</b> Bangladesh	<b>Bd</b> Badakhshan, Khodja Mohammad (AF)
<b>AC</b> Africa	<b>Adj</b> Andijan (UZ)	<b>Alg</b> Alagez mt. (AM)	<b>Arr</b> Ağridağı (Ararat) (TR)	<b>BE</b> Belgium	<b>BdA</b> Band-i Amir (AF)
<b>ACh</b> Azad Cashmir (PK)	<b>Adl</b> Admiralty (PG)	<b>Alk</b> Alakol (Tk KG)	<b>Ars</b> Arsi, Asela, Ticho (ET)	<b>BF</b> Burkina-Faso (Upper Volta)	<b>BdL</b> Bodang-La (Ti CN)
<b>AD</b> Andorra	<b>Adm</b> Andaman Isl. (IN)	<b>All</b> Allgäuer Alps (Bv DE)	<b>Art</b> Artschan (TM)	<b>BG</b> Bulgaria	<b>Bda</b> Bugdaili (TM)
<b>AE</b> United Arab Emirate	<b>Ado</b> Adonara (ID)	<b>Alm</b> Almeria (An ES)	<b>Aru</b> Aru (ID)	<b>BH</b> Bahrain	<b>Bdo</b> Mt. Baldo (IT Vt)
<b>AEu</b> Agios Eustratios (GR Ae)	<b>Adr</b> Andarab (AF)	<b>Alo</b> Alor (ID)	<b>Arw</b> Arwas (TM)	<b>BI</b> Burundi	<b>Bdz</b> Badhiz N.R. (TM)
<b>AF</b> Afghanistan	<b>Ae</b> Aegean Islands (GR)	<b>Als</b> Alaska (US)	<b>Arz</b> Arizona (US)	<b>BJ</b> Benin	<b>Be</b> Bellona Is. (SB)
<b>AG</b> Antigua & Barbuda	<b>Aem</b> Altyn-Emel Mts. (Tk KG)	<b>Alt</b> Altin Dagħ (Ui CN)	<b>As</b> Asir (SA)	<b>BM</b> Bermuda	<b>BeS</b> Beth-Shemmen (JO)
<b>AI</b> Anguilla	<b>Af</b> Afq (LB)	<b>Alv</b> Alava (Bq ES)	<b>AsD</b> Assad Dom (SY)	<b>BN</b> Brunei Darussalam	<b>Bee</b> Beersheba (IL)
<b>AL</b> Albania	<b>Af</b> Aragón (ES)	<b>Am</b> Amurskaja Oblast, Blagoweschtschensk (RU)	<b>Ash</b> Ashkabad (TM)	<b>BO</b> Bolivia	<b>Bei</b> Beirut (LB)
<b>ALb</b> Anti Lebanon (LB)	<b>Aga</b> Agathonission (GR Ae)	<b>Ama</b> Amadiya (Dk IQ)	<b>Ask</b> Askold (RU Us)	<b>BR</b> Brazil	<b>Bel</b> Belgaum (Mys IN)
<b>AM</b> Armenia	<b>Ah</b> Ahaggar (DZ)	<b>Amb</b> Ambon (ID)	<b>Asr</b> Astor (Gg PK)	<b>BS</b> Bahamas (excl. Turks & Caicos Is.)	<b>BW</b> Botswana
<b>AN</b> Netherlands Antilles	<b>Aha</b> Ahar (IR)	<b>Amd</b> Amdo, Ngamdo (Ts CN)	<b>Ast</b> Astypalaia (GR Ae)	<b>BT</b> Bhutan	<b>BY</b> Byelorussia
<b>AO</b> Angola	<b>Ahl</b> Ahalkalaki, Ganzhani (GG)	<b>Amg</b> Amorgos (GR Ae)	<b>Asy</b> Aksay (KG TrA)	<b>BV</b> Bouvet Island	<b>BZ</b> Belize
<b>AQ</b> Antarctica	<b>Ahw</b> Anhwei, Anhui (CN)	<b>Am</b> Amami Is. (JP)	<b>At</b> Gorno-Altai (RU)	<b>Ba</b> Bashkir Autonomous Reg. (RU)	<b>Ba</b> Bashkir
<b>AR</b> Argentina	<b>Ahz</b> Ahwaz (IR)	<b>Amr</b> Amarah (IQ)	<b>Atj</b> Alentejo (PT)	<b>BaA</b> Bairam-Ali (TM)	<b>BaA</b> Bairam-Ali (TM)
<b>AS</b> American Samoa	<b>Aia</b> Ain-Ata (LB)	<b>An</b> Andalusia (ES)	<b>Ats</b> A-tun-tse (Yu CN)	<b>Baa</b> Baalbek (LB)	<b>Bab</b> Babuyan (PH)
<b>AT</b> Austria	<b>AiT</b> Ain Tineh (near Tabgha) (IL)	<b>Anb</b> Anambas (ID)	<b>Att</b> Attica (GR)	<b>Bad</b> Badajoz (Ex ES)	<b>Bak</b> Baku (AZ)
<b>AU</b> Australia (Lord Howe Is, Macquane Is, Ashmore & Cartier)	<b>Aiz</b> Ain Zhalta (LB)	<b>And</b> Andros (GR Ae)	<b>Atu</b> Asturias (ES)	<b>Bal</b> Balabac (PH)	<b>Bam</b> Bando N.P. (IR Fa)
<b>AY</b> Asia	<b>Aj</b> Ajaria, Adzharia, Batum, Myzkheth (GG)	<b>Anj</b> Anjuman (Bd Bqu AF)	<b>Aty</b> Northern Uighur, Altay (Ui CN)	<b>Bal</b> Balabac (PH)	<b>Bam</b> Bando N.P. (IR Fa)
<b>AZ</b> Azerbaijan	<b>Ajl</b> Ajlun (JO)	<b>Ann</b> Annam (VN)	<b>Au</b> Aksu (Ui CN)	<b>Baw</b> Bawean (ID)	<b>Bb</b> Bilbao (Bq ES)
<b>Aa</b> Alma-Ata (Almati) (KG)	<b>Ajp</b> Adjap (TM)	<b>Anu</b> Annau (TM)	<b>Av</b> Avila (C-L ES)	<b>Bb</b> Bilbao (Bq ES)	<b>Bba</b> Bombay (Mh IN)
<b>Ab</b> Western Azerbaidjan (IR)	<b>Ak</b> Eastern Azerbaidjan (IR)	<b>Ao</b> Astrakhan Oblast (RU)	<b>Avd</b> Aveiro (PT)	<b>Bgr</b> Bogra (Bl PK)	<b>Bbs</b> Burgos (C-L ES)
<b>Aba</b> Abastuman (GG)	<b>AkP</b> Ak Palanka (YU Ser)	<b>Aos</b> Aosta (IT)	<b>Avt</b> Avdat (IL)	<b>Bgs</b> Burgos (C-L ES)	<b>Bgv</b> Bougainville (PG)
<b>Abb</b> Abbotabad (Pj PK)	<b>Akh</b> Akhalzich, Chambobel, Vale, Abastouman (GG)	<b>Ap</b> Andhra Pradesh, Hyderabad, Coromandel Coast (IN)	<b>Ax</b> Alexander Mts. (Kirgiz Mts.) (KK)	<b>Bgv1</b> Buka (Bgv PG)	<b>Bgv2</b> Fauro (Bgv PG)
<b>Abk</b> Abkhasia, Gagra, Sokhumi (GG)	<b>Aki</b> Akibay (TM)	<b>Apr</b> Arunachal Pradesh (IN)	<b>Az</b> Azores Islands (PT)	<b>Bgv3</b> Shortland (Bgv PG)	<b>Bgv4</b> Treasury (Bgv PG)
<b>Abr</b> Albarracin (ES)	<b>Akk</b> Akhalkalek (GG)	<b>Aq</b> Aqtöbe (Aktjubinsk) (KG)	<b>Azh</b> Azizbekov (AM)	<b>Bbr</b> Babar (ID)	<b>Bgz</b> Burgas (BG)
<b>Abt</b> Alberta (CA)	<b>Akl</b> Akkol (KG)	<b>Ar</b> Ardebil (IR)	<b>B-A</b> Bandar-Abbas (IR)	<b>Bbt</b> Bakbakty (KG)	<b>Bh</b> Small Balhan (TM)
<b>Abz</b> Abruzzi (IT)	<b>Aks</b> Arkansas (US)	<b>Ara</b> Arak (IR)	<b>B-B</b> Burkhan-Budda Mts. (Ts CN)	<b>Bbu</b> Babusar pass (PK)	<b>Bhd</b> Baharden (TM)
<b>Ac</b> Archangel Oblast (RU)	<b>Al</b> Alai (UZ KK TJ)	<b>Arad</b> Arad (IL)	<b>B-F</b> Barm-i-Firuz (IR Kz)	<b>Bc</b> Boro-Choro Mts. (Ui Ku CN)	<b>Bhm</b> Böhmen, Bohemia (CZ)
<b>Ach</b> Achang, Atchan (Ui CN)	<b>Ala</b> Alabat (PH)	<b>Arc</b> Archane (CN Ui)	<b>B-H</b> Bosnia-Herzegowina	<b>Bch</b> Bachan (ID)	
<b>Acm</b> Archman (TM)	<b>Alb</b> Alabama (US)	<b>Arf</b> Achrafiye (SY)	<b>B-I</b> Balear Islands (ES)		
			<b>B-T</b> Babatag (UZ)		
			<b>BB</b> Barbados		

<b>Bi</b> Bihar (IN)	<b>Bra</b> Bragança, Braganza (PT)	<b>CI</b> Ivory Coast	<b>Chs</b> Choiseul (SB)	<b>DD</b> East Germany (old), Deutsche Demokratik Republik (old) (DE)	<b>Dlk</b> Dalaki (IR Fa)
<b>Bia</b> Biak (ID)	<b>Brd</b> Brandenburg, Berlin (DE)	<b>CK</b> Cook Is.	<b>Chs1</b> Robroy (Chs SB)	<b>DE</b> Deutschland	<b>Dm</b> Damar (ID)
<b>Bik</b> Beik pass (Pm TJ)	<b>Brg</b> Braga (Min PT)	<b>CL</b> Chile	<b>Chs2</b> Wagina (Chs SB)	<b>DJ</b> Djibuti	<b>DmL</b> Demu-La (Ti CN)
<b>Bil</b> Biliran (PH)	<b>Brj</b> Bouarej (above Chaura) (LB)	<b>CM</b> Cameroon	<b>Cht</b> Chantengri (T-S KK)		<b>Dmk</b> Demchok (CN Ti)
<b>Bj</b> Bureja Mts. (RU Chb)	<b>Brl</b> Baralacha Pass (Ld)	<b>CO</b> Columbia	<b>Chu</b> Chuvash A.R. (RU)	<b>DK</b> Denmark	<b>Dmp</b> Dampier (PG)
<b>Bja</b> Beja (PT)	<b>Brm</b> Bremen (DE)	<b>CR</b> Costa Rica (incl. Cocos Is.)	<b>Ci</b> Chitral (Nwf PK)	<b>DKe</b> District of Keewatin (CA)	<b>Dms</b> Damaskus (SY)
<b>Bjg</b> Bajgiran (IR Kh)	<b>Brn</b> Bernese Alps (Va CH)	<b>CRe</b> Ciudad Real (C-M ES)	<b>Cl</b> Catalonia (ES)	<b>DM</b> Dominica	<b>Do</b> Dobrudscha (RO)
<b>Bji</b> Baiji (Krk IQ)	<b>Bru</b> Buru (ID)	<b>CS</b> Czechoslovakia	<b>Clb</b> Celebes, Sulawesi, Minahassa (ID)	<b>DMk</b> District of Mackenzie (CA)	<b>DoL</b> Dochen La (CN Ti)
<b>Bjk</b> Borochojewka (RU)	<b>Bry</b> Buryatia Oblast, Ulan-Ude, Daban Mts., partly Sajon Mts., Listvianka (RU)	<b>CSD</b> Central Sudan, Wad Medani, Dinder (SD)	<b>Clc</b> Calcutta (IN)	<b>DO</b> Dominican Republic	<b>Dol</b> Dolomites (IT)
<b>Bjn</b> Bojnourd (Kh IR)	<b>Brz</b> Borazjan (IR)	<b>CU</b> Cuba	<b>Clk</b> Chilik (KG)	<b>DZ</b> Algeria	<b>Dr</b> Dresden (DE)
<b>Bjo</b> Borjom, Khasuri (GG)	<b>Bs</b> Bashkortostan (Baskiria) (RU)	<b>CV</b> Cape Verde	<b>Clr</b> Calabria (IT)	<b>Da</b> Dagestan, Derbent, Mahackala, Kasumkent, Bogos (RU)	<b>Dra</b> Dras (Ch IN)
<b>Bk</b> Chahar Mahal Bakhtiari (IR)	<b>Bsa</b> Bsharre (LB)	<b>CX</b> Christmas Is. (AU)	<b>Cls</b> Chilas (Gg PK)	<b>Dah</b> Dahuria (CN Mc)	<b>Drg</b> Dargaz (Kh IR)
<b>Bka</b> Baschkau Mts. (At RU)	<b>Bsh</b> Bolschoi (Kj RU)	<b>CY</b> Cyprus	<b>Clu</b> Chalus (Mz IR)	<b>Dam</b> Damavand (IR)	<b>Drk</b> Darkot Pass (Gg PK)
<b>Bkb</b> Bukombai Mts. (KG)	<b>Bsk</b> Biskra (DZ)	<b>CZ</b> Czech Republic	<b>Cm</b> Crimea (UA)	<b>Dan</b> Danata (TM)	<b>Drm</b> Darmshala (Hp IN)
<b>Bkr</b> Barkol (Ui CN)	<b>Bsm</b> Bismark I. (PG)	<b>Ca</b> Kandahar (AF)	<b>CmL</b> Camiguin de Luzon (PH)	<b>Dar</b> Daratchitchag (AM)	<b>Dro</b> Drosh (Nwf PK)
<b>Bku</b> Bakouriani (GG)	<b>Bsr</b> Basra (IQ)	<b>Cag</b> Cagayan Sulu (PH)	<b>CmM</b> Camiguin de Mindanao (PH)	<b>Das</b> Dasht-e-Arzhon (IR Fa)	<b>Drw</b> Darwaz (TJ)
<b>Bl</b> Baluchistan (IR,PK)	<b>Bss</b> Basses Alpes (FR)	<b>Cal</b> Calamian (PH)	<b>Cmb</b> Chumba, Chamba (Ch)	<b>Dau</b> Dauphine (FR)	<b>Ds</b> Dasu (PK)
<b>BlM</b> Bala-Murghab (Hr AF)	<b>Bt</b> Baltistan (PK)	<b>Cam</b> Camarindes Norte (PH)	<b>Cmp</b> Campania (IT)	<b>Daur</b> Dauriski Mts. (RU Am)	<b>DsA</b> Dschungar Alatau (Tk KG)
<b>Blb</b> Bilibino (Pogynjeno) (RU Tch)	<b>Btg</b> Belitung (ID)	<b>Cap</b> Cape (ZA)	<b>Cmt</b> Chumurti (CN Ti)	<b>Db</b> Dshambul (KG)	<b>Dsb</b> Dushambe (TJ)
<b>Bld</b> Bloudan (LB)	<b>Btj</b> Batjan, Bachan Is. (ID)	<b>Car</b> Carmel Mt. (IL ES)	<b>Cn</b> Canary Islands, Islas Canarias (ES)	<b>Dc</b> District of Columbia (US)	<b>Dt</b> Dingschiangmiao Pass (CN Ts)
<b>Ble</b> Bale, Batu, Mendebo, Goba (ET)	<b>Btm</b> Batumi (Aj GG)	<b>Cas</b> Castellon (Vcl ES)	<b>Cnt</b> Connecticut (US)	<b>Dd</b> Dhodhekanissa (GR)	<b>Du</b> Dushak (TM)
<b>Blg</b> Blagoweschtschensk (Am RU)	<b>Btn</b> Batang (CN)	<b>Cb</b> Chelyabinsk (RU)	<b>Co</b> Corse (FR)	<b>Ddj</b> Dardja (TM)	<b>Dum</b> Dumarang (PH)
<b>Bli</b> Bali (ID)	<b>Btr</b> Batura (Gg PK)	<b>Cc</b> Caucasus (RU GG)	<b>Coi</b> Coimbra, Figueira da Foz (PT)	<b>Dds</b> Dead Sea (IL JO)	<b>Dur</b> Durmitor (Mt YU)
<b>Blk</b> Balakot (PK)	<b>Btu</b> Batu I. (ID)	<b>Cch</b> Colchis, Kutais, Senaki, Zugdidi, Poti, Kobuleti, Ozurgeti, Zestafoni (GG)	<b>Col</b> Colorado (US)	<b>Ddu</b> Dehra Dun (Up IN)	<b>Dv</b> Devon (GB)
<b>Bls</b> Balchas lake (KG)	<b>Bu</b> Bushehr (IR)	<b>Ccs</b> Caceres (Ex ES)	<b>Com</b> Comeé (IR Kz)	<b>De</b> Delhi (IN)	<b>Dw</b> Delaware (US)
<b>Blt</b> Baltoro (Bt PK)	<b>Buc</b> Buchtarma (WAt KG)	<b>Cd</b> Cordoba (An ES)	<b>Cor</b> Coruna (Gc ES)	<b>DeB</b> Deir Belah (IL)	<b>Dy</b> Dyala (IQ)
<b>Bm</b> Bamyán, Ghor, Parwan, Kapisa, Laghman (AF)	<b>Bug</b> Bugun (KG)	<b>Ce</b> Chechenya-Ingushetia (RU)	<b>Cp</b> Campbellpore (Pj PK)	<b>Deh</b> Deh (Gg PK)	<b>Dyn</b> Deynau (TM)
<b>Bmd</b> Bhamdoun (LB)	<b>Bur</b> Burias (PH)	<b>Ceb</b> Cebu (PH)	<b>Cpd</b> Chapdangal (Gg PK)	<b>Deo</b> Deosai (Bt PK)	<b>Dz</b> Dzihulfa (Nv AZ)
<b>Bmm</b> Broummana (LB)	<b>Bus</b> Busuanga (PH)	<b>Cf</b> California (US)	<b>Cpr</b> Capraia Is. (IT)	<b>Der</b> Derbent (Da RU)	<b>Dzf</b> Dezful (IR)
<b>Bn</b> Barnaul Oblast (RU)	<b>But</b> Butung (ID)	<b>Cg</b> Changai Mts. (MN)	<b>Cr</b> Crete (GR)	<b>Dg</b> Dsheskasgan (KG)	<b>E-R</b> Emilia-Romagna (IT)
<b>Bng</b> Banggai (ID, Clb)	<b>Bv</b> Bavaria (DE)	<b>Cgi</b> Charbougtschi (CN Ui)	<b>Cri</b> St. Cristobal (SB)	<b>Dgl</b> Dongda-La (Ti CN)	<b>EA</b> Easter Is.
<b>Bnr</b> Bonerate (ID)	<b>Bw</b> Baden-Württemberg (DE)	<b>Ch</b> Cashmir (PK, IN)	<b>Crm</b> Ceram (ID)	<b>Dh</b> Dhofar (OM)	<b>EC</b> Ecuador
<b>Bnt</b> Banat (RO YU)	<b>By</b> Kohgiluyeh Boyr Ahmadi (IR)	<b>ChM</b> Chanty-Manssijsk (K-M RU)	<b>Crp</b> Carpathian Mts. (RO)	<b>Dhs</b> Dshussaly (KG)	<b>EE</b> Estonia
<b>Bo</b> Bonin Isl. (JP)	<b>Byn</b> Bayingholin Aptonom Oblasti (Ui CN)	<b>Cha</b> Chalki (GR, Ae)	<b>Cs</b> Castile (ES)	<b>Di</b> Dilizhan (AM)	<b>EG</b> Egypt
<b>Bog</b> Boguty Mts. (Tk KG)	<b>Bz</b> Bozcaada (TR, I7)	<b>Chb</b> Chabarowski Kray, Bureja Mts. (RU)	<b>Csp</b> Caspian	<b>Dia</b> Diana (IQ)	<b>EH</b> Western Sahara
<b>Boh</b> Bohol (PH)	<b>C-A</b> Central Asia	<b>Chg</b> Chang-La (Ld IR)	<b>Ct</b> Cantabria (ES)	<b>Dim</b> Dimas (SY)	<b>EL</b> Ellice Is.
<b>Bol</b> Bolan Pass (Bl PK)	<b>C-B</b> Castelo Branco (PT)	<b>Chh</b> Chahbahar (Bl IR)	<b>Ctb</b> Cottbus (DE)	<b>Din</b> Dinagat (PH)	<b>ER</b> Eritrea
<b>Bon</b> Bongao (PH)	<b>C-L</b> Castile-Leon (ES)	<b>Chi</b> Chios (GR, Ae)	<b>Ctr</b> Chtaura (LB)	<b>Dir</b> Dir (PK)	<b>ES</b> Spain
<b>Bor</b> Borneo (MY)	<b>C-M</b> Castile la-Mancha (ES)	<b>Chk</b> Charkhode (CN Ui)	<b>Cts</b> Camotes (PH)	<b>Dj</b> Djarkent (Sharkent) (Tk KG)	<b>ESD</b> Eastern Sudan (SD)
<b>Bp</b> Bupto (Ti CN)	<b>CA</b> Canada	<b>Chl</b> Chelmos Mt. (GR)	<b>Ctt</b> Cottian Alps (FR/IT)	<b>Djl</b> Darjiling (Darjeeling) (SI IN)	<b>ET</b> Ethiopia
<b>Bq</b> Basque (ES)	<b>CAt</b> Central Altai (RU)	<b>Chm</b> Chaman (Bl PK)	<b>Cu</b> Cutch (IN)	<b>Dk</b> Dahuk (IQ)	<b>EU</b> Europa
<b>Bqu</b> Bala Quran (Bd AF)	<b>CC</b> Cocos Is.	<b>Chn</b> Chin Hills (MM)	<b>Cue</b> Cuenca (C-M ES)	<b>Dkd</b> Dulkan (TJ)	<b>Ea</b> Sterea Ellas (GR)
<b>Br</b> Buchara (UZ)	<b>CF</b> Central African Republic	<b>Cho</b> Chotan (Ui, CN)	<b>Cuy</b> Cuyo (PH)	<b>DI</b> Dalmatia (HV)	<b>Eca</b> D'Entre Castaneux (PG)
	<b>CG</b> Congo	<b>Chr</b> Chorog (Pm TJ)	<b>Cw</b> Cornwall (GB)	<b>Dlg</b> Dshalagasch (KG)	<b>Eg</b> Nissi Egheou (GR)
	<b>CH</b> Switzerland		<b>Cy</b> Cyrenaica (LY)	<b>Dlh</b> Dalhousie (Hp IN)	<b>Egg</b> Enggano (ID)
			<b>Cz</b> Cadiz (An ES)	<b>Dlj</b> Delijan (IR Es)	<b>El</b> Elba Is. (IT)
			<b>D-T</b> Deir Tazze (SY)		<b>Elb</b> Elburz (Th IR)
			<b>D-Y</b> Duck of York (PG)		<b>Elg</b> Western Forest Zone of Kenya, Mt. Elgon, Kitale, Nzoia, Nandi Hills (KE)
			<b>D-Y1</b> Mioko (D-Y PG)		<b>Eng</b> Engadine, Graubünden, Rhaetian Alps (CH)
					<b>Er</b> Erbil (IQ)

<b>Erf</b> Erfurt (DE)	<b>GW</b> Guinea-Bissau	<b>HN</b> Hondras (incl. Swan Is.)	<b>Hph</b> Hopeh, Hebei (CN)	<b>Isa</b> St. Isabel (SB)	<b>JRN</b> Ras en Naqb (JO)
<b>Erh</b> Eriha (SY)	<b>GY</b> Guyana	<b>HT</b> Haiti	<b>Hr</b> Herat, Farah (AF)	<b>Isa1</b> Bikolia (Isa SB)	<b>JRU</b> Jebel er Rumman (JO)
<b>Eri</b> Erivan (AM)	<b>Ga</b> Kasghar (Ui CN)	<b>HU</b> Hungary	<b>Hrm</b> Hermel (LB)	<b>Isa2</b> Gagi (Isa SB)	<b>JSD</b> Ae's Sidd (JO)
<b>Es</b> Esfahan (IR)	<b>Gar</b> Haut-Garoune, East Pyrenees (FR)	<b>HV</b> Croatia	<b>Hrr</b> Harrar, Awash, Harge, Dire Dawa (ET)	<b>Isa3</b> Barola (Isa SB)	<b>JSG</b> Wadi Shheiba Raabegh (JO)
<b>Et</b> East Tirol (AT)	<b>Gc</b> Galicia (ES)	<b>Ha</b> Hamadan (IR)	<b>Hsj</b> Hastijan (IR Es)	<b>Isa4</b> Saint Gedral (Isa SB)	<b>JSH</b> Ayn ash Shallala (JO)
<b>Etn</b> Etna (Si IT)	<b>Gdr</b> Gonder, Tana lake, Simyen, Ras Dashen, Debre Tabor (ET)	<b>Hab</b> Hablehrud river (IR Fa)	<b>Hsr</b> Hasroun (LB)	<b>Isf</b> Isfairan (TJ)	<b>JSM</b> Jebel es Samra (JO)
<b>Eu</b> Euboea (GR,Ae)	<b>Gg</b> Gilgit (PK)	<b>Hal</b> Haleb (SY)	<b>Hss</b> Hesse (DE)	<b>Isg</b> Ishgakijima Is. (JP)	<b>JSR</b> Jibal Shiar (JO)
<b>Ev</b> Evora (PT)	<b>Ge</b> Georgia (US)	<b>Ham</b> Hama (SY)	<b>Hu</b> Hunza (Gg PK)	<b>Ish</b> Ishkasim (AF TJ)	<b>JSW</b> Sahl Abu Suwwana (JO)
<b>Ew</b> Ewenkijski Awt. Okrug (RU)	<b>Ger</b> Germob (TM)	<b>Hau</b> Hauran (SY)	<b>Hue</b> Huesca (Ag ES)	<b>Ist</b> Istisou (AZ)	<b>JTS</b> Wadi Tla Salmaan (JO)
<b>Ex</b> Extramadura (ES)	<b>Gg</b> Gergit (PK)	<b>Haz</b> Hazara (PK)	<b>Hun</b> Hunan (CN)	<b>Itb</b> Itbayat (PH)	<b>JUI</b> Djabal Umm Isdiaat (JO)
<b>FI</b> Finland	<b>Ggl</b> Giglio Is. (IT)	<b>Hb</b> Hamburg (DE)	<b>Hv</b> Huelva (An ES)	<b>Iz</b> Izadkhast (IR Fa)	<b>JUM</b> Jebel um Malda (JO)
<b>FJ</b> Fiji (Viti Levu, Vanua Levu, Rotuma)	<b>Gh</b> Ghilan (IR)	<b>Hbl</b> Humboldt Gebirge, Tergun Daba Mts. (CN Ts)	<b>Hw</b> Hawaii (US)	<b>J-J</b> Jung-Jung Khola (CN Ti)	<b>JUS</b> Jabal Umm Sabeebei (JO)
<b>FK</b> Falkland Islands	<b>Gi</b> Gibraltar (Cz An ES)	<b>Hbr</b> Hebrid Isl. (GB)	<b>Hy</b> Haryana (IN)	<b>JAH</b> Wadi Abu al Haar (JO)	<b>JWR</b> Wadi Ram (JO)
<b>FM</b> Micronesia (Caroline Is.)	<b>Gj</b> Gurjev (KG)	<b>Hc</b> How-chow, Linxia (Gn CN)	<b>Hyb</b> Hyber pass (Nwf PK)	<b>JAR</b> Jebel Arfa (JO)	<b>JWS</b> Wadi Umm Suwwasei (JO)
<b>FO</b> Faroe Islands	<b>Gjb</b> Ghujerab (Gg PK)	<b>Hd</b> Hadramut (YE)	<b>Hyd</b> Hyderabad (Sd PK)	<b>JAS</b> Jebel Astar (JO)	<b>Ja</b> Java (ID)
<b>FP</b> Fernando Poo Is.	<b>Gk</b> Gökçeada (Imros) (TR,17)	<b>Hdo</b> Hondo (JP)	<b>Hz</b> Hormozgan (IR)	<b>JGH</b> Wadi Ghafir (JO)	<b>Jae</b> Jaén (An ES)
<b>FR</b> France	<b>Gkl</b> Gakyi (Ti CN)	<b>He</b> Hermon Mt. (IL)	<b>Hzz</b> Hazarajah (AF)	<b>JGN</b> Wadil Gannasyya (JO)	<b>Jan</b> Janin (IL)
<b>Fa</b> Fars (IR)	<b>Gl</b> Gulmarg (Ch IN)	<b>Heb</b> Hebron (IL)	<b>I-B</b> Imam-Baba (TM)	<b>JGT</b> Wadi Gtayyei (JO)	<b>Jb</b> Jablonowsky Mts. (RU Am)
<b>Fak</b> Fak Fak (ID Ij)	<b>Gm</b> Gamo Gofa, Abra Minch (ET)	<b>Hf</b> Haifa (IL)	<b>I-D</b> Iol-Dere (TM)	<b>JHM</b> Hudeibat el Mahdra (JO)	<b>Jc</b> Dhachar, Jachar Mts (Amd Ts CN)
<b>Fe</b> Fergana (UZ)	<b>Gmr</b> Gomera (Cn ES)	<b>Hgs</b> Hagios (GR,Ae)	<b>I-K</b> Ipay-Kala (TM)	<b>JHW</b> Jibal al Hiswa al Aishana (JO)	<b>Je</b> Jekundo (CN Ti)
<b>Feg</b> Ferganski Mts. (KK)	<b>Gn</b> Kansu, Gansu (CN)	<b>Hi</b> Hierro (Cn ES)	<b>ID</b> Indonesia	<b>JKH</b> Jebel el Khalal (JO)	<b>Jer</b> Jericho (IL)
<b>Fkn</b> Fukien, Fujian (CN)	<b>Gna</b> Geron (Cl ES)	<b>Hiss</b> Hissar (TJ)	<b>IE</b> Ireland	<b>JKS</b> Jebel el Khash (JO)	<b>Jf</b> Jaffa, Tel-Aviv (IL)
<b>Fl</b> Florida (US)	<b>Go</b> Gojam (ET)	<b>Hj</b> Hejaz (SA)	<b>IL</b> Israel	<b>JLH</b> Wadi Lemshayyesh (JO)	<b>Jj</b> Jewrejskaja A.O. (RU)
<b>Flo</b> Flores (ID)	<b>Gol</b> Golan Hills (IL SY)	<b>Hjo</b> Haj Omran (Er IQ)	<b>IMn</b> Inner Mongolia (CN)	<b>JLM</b> Wadi al Lasam (JO)	<b>Jk</b> Jakutsk (Ya RU)
<b>Flt</b> Flita (SY)	<b>Gom</b> Gomaru-La (Ld)	<b>Hk</b> Hindu Kush (AF PK)	<b>IN</b> India	<b>JLN</b> Wadi Rabigh (JO)	<b>Jl</b> Julian Alps (SS)
<b>Fo</b> Fourni (GR Ae)	<b>Gor</b> Gorgan, Astrabad (IR)	<b>Hkk</b> Hokkaido (JP)	<b>IO</b> British Indian Ocean Territory (incl. Chagos Archipelago)	<b>JLS</b> Wadi Rumman (JO)	<b>Jla</b> Jalalabad (Ng AF)
<b>For</b> Formentera Isl (B-I ES)	<b>Gp</b> Guipuzcoa (Bq ES)	<b>Hlb</b> Halboun (SY)	<b>IQ</b> Iraq	<b>JLY</b> Wadil Leiyhe (JO)	<b>Jm</b> Jammu (Ch)
<b>Fr</b> Faro, Algarve (PT)	<b>Gr</b> Gera (DE)	<b>Hm</b> Halmahera (ID)	<b>IR</b> Iran	<b>JMI</b> Jebel Mizan (JO)	<b>Jn</b> Kirin, Jilin (CN)
<b>Frk</b> Firuzkuh (IR)	<b>Gra</b> Graian	<b>Hn</b> Hainan (CN)	<b>IS</b> Iceland	<b>JMQ</b> Jebel Mishraq (JO)	<b>Jng</b> Jongu (CN Sz)
<b>Frm</b> Fariman (IR Kh)	<b>Grl</b> Greenland (DK)	<b>Hna</b> Hanna lake (Qu PK)	<b>IT</b> Italy	<b>JM</b> Jamaica	<b>Jns</b> Jenissejsk (Kj RU)
<b>Frz</b> Bishkek (Firinze) (KK)	<b>Grm</b> Goram (ID)	<b>Hnn</b> Honan, Henan (CN)	<b>Ib</b> Ilubabor, Gambela, Gore, Metu, Gogo (ET)	<b>JMD</b> Jebel Madfuf (JO)	<b>Jo</b> Jobi (ID)
<b>Ftr</b> Fitrroun (LB)	<b>Grn</b> Granada, Sagra (An ES)	<b>Ho</b> W.B.Howrah, Calcutta (IN)	<b>Ibz</b> Ibiza Isl (B-I ES)	<b>JML</b> Wadi al Lasam (JO)	<b>Jol</b> Jolo (PH)
<b>Fu</b> Furmanovka (KG)	<b>Gro</b> Grosny (RU)	<b>Hom</b> Homonhon (PH)	<b>Id</b> Idaho (US)	<b>JLT</b> Wadi Lemsattara (JO)	<b>Jou</b> Joubbe (SY)
<b>Fv</b> Fuerteventura (Cn ES)	<b>Grs</b> Girsha (Gg PK)	<b>Hon</b> Honiara, Guadalcanal (SB)	<b>Idp</b> Indianapolis (US)	<b>JLY</b> Wadil Leiyhe (JO)	<b>Jr</b> Jura Alps (FR)
<b>Fvg</b> Friuli-Venezia Guila (IT)	<b>Grt</b> Gartok (CN Ti)	<b>Hon1</b> Savo (Hon SB)	<b>Il</b> Illi Mts. (Ui CN)	<b>JM</b> Jamaica	<b>Jrs</b> Jerash (JO)
<b>Fyz</b> Firyuza (TM)	<b>Gs</b> Gurais (Ch IN)	<b>Hon2</b> Buena Vista (Hon SB)	<b>Ij</b> Irian Jaya (ID)	<b>JMD</b> Jebel Madfuf (JO)	<b>Js</b> Jerusalem (IL)
<b>Fz</b> Faizabad (AF)	<b>Gsl</b> Gasli (UZ)	<b>Hon3</b> Olevunga (Hon SB)	<b>Ik</b> Issyk-Kul (KK)	<b>JMH</b> Wadi al Muzeiribat (JO)	<b>Jt</b> Jordantal (JO IL)
<b>GA</b> Gabon	<b>Gt</b> Gotland (SE)	<b>Hon4</b> Florida (Hon SB)	<b>Ika</b> Ikaria (GR Ae)	<b>JNH</b> Nagab Hafeer (JO)	<b>Ju</b> Juldus Mts. (Ui CN)
<b>GB</b> United Kingdom	<b>Gte</b> Geok Tepe (TM)	<b>Hon5</b> Ndai (Hon SB)	<b>Ikc</b> Issyk-Kul city (KK)	<b>JNI</b> Jebel Naqab Ishtar (JO)	<b>Jum</b> Jumla (NP)
<b>GCn</b> Gran Canaria (Cn ES)	<b>Gu</b> Guadalajara (C-M ES)	<b>Hon6</b> Manoba (Hon SB)	<b>Il</b> Ilam (IR)	<b>JO</b> Jordan	<b>Jw</b> Jawzjan, Faryab, Badghes (AF)
<b>GD</b> Grenada	<b>Gua</b> Guarda (PT)	<b>Hon7</b> Malaita (Hon SB)	<b>Ilm</b> Illinois (US)	<b>JP</b> Japan	<b>Jy</b> Jiyayuguan (Gn CN)
<b>GF</b> French Guiana	<b>Gui</b> Guimaras (PH)	<b>Hon8</b> Ulava (Hon SB)	<b>In</b> Ionii Niasi (GR)	<b>JQD</b> Qa ed Disa (JO)	<b>K-A</b> Kizil-Arvat (TM)
<b>GG</b> Georgia	<b>Gul</b> Gulca (KK)	<b>Hos</b> Hosar-Dagh (TM)	<b>Ind</b> Indersky Salt lake (Uk KG)	<b>JQT</b> Jebel el Qattar (JO)	<b>K-B</b> Kurkure-Baschi (At RU)
<b>GH</b> Ghana	<b>Gup</b> Gupis (Gg PK)	<b>Hp</b> Himachal Pradesh (IN)	<b>Ino</b> Inousse (GR Ae)	<b>JRH</b> Wadi Rumman (JO)	<b>K-D</b> Kyzylkum Desert (UZ)
<b>GL</b> Greenland	<b>Gw</b> Gwal (Bl PK)	<b>Hpe</b> Hupeh, Hubei (CN)	<b>Io</b> Iowa (US)	<b>JRG</b> Jebel Rabigh (JO)	<b>K-K</b> Kara-Kala (TM)
<b>GM</b> Gambia	<b>Gy</b> Gyantse (Ti CN)		<b>Iot</b> Iolotan (TM)		
<b>GN</b> Guinea	<b>Gya</b> Gya (Ld)		<b>Ip</b> Ipiros (GR)		
<b>GO</b> Equatorial Guinea	<b>H-S</b> Hazreth Sultan Mts. S.Samarkand (UZ)		<b>Ir</b> Irkutsk Oblast (RU)		
<b>GP</b> Guadeloupe	<b>H-W</b> Hants & Wight (GB)		<b>Iri</b> Iriomotejima Is. (JP)		
<b>GR</b> Greece	<b>HK</b> Hong Kong, Victoria (CN)		<b>Irk</b> Irkutsk (RU Ir)		
<b>GS</b> Galapagos Is.	<b>HM</b> Heard & Mc Donald Isl.		<b>Irt</b> Irtys (Ui CN)		
<b>GT</b> Guatemala			<b>Is</b> Istria (HV)		
<b>GU</b> Guam Is.					

<b>K-M</b> <i>Khantia-Mansia, Chanty-Manssijsk (RU)</i>	<b>Kf</b> <i>Korfu (GR)</i>	<b>Kmt</b> <i>Kamchatkaja Oblast (RU)</i>	<b>Kst</b> <i>Karshantau Mts. (Ta UZ KG)</i>	<b>LK</b> <i>Sri Lanka</i>	<b>Luz</b> <i>Luzon (PH)</i>
<b>K-O</b> <i>Kemerovo Oblast (RU)</i>	<b>Kfa</b> <i>Kefa, Omo, Shewa Gimira, Jimma, Abelti (ET)</i>	<b>Kmx</b> <i>Karl-Max (DE)</i>	<b>Kt</b> <i>Kustanai (KG)</i>	<b>LO</b> <i>Loyalty Is.</i>	<b>Lw</b> <i>Lowarai pass (PK)</i>
<b>K-R</b> <i>Karelian Rep. (RU)</i>	<b>Kg</b> <i>Kurgan (RU)</i>	<b>Kmy</b> <i>Karamay (Ui CN)</i>	<b>Kta</b> <i>Kutaisi (GG)</i>	<b>LR</b> <i>Liberia</i>	<b>Lz</b> <i>Lazio (IT)</i>
<b>K-S</b> <i>Kara-Sagin Mts.</i>	<b>Kgn</b> <i>Kangean (ID)</i>	<b>Kn</b> <i>Kunlun Mts. (Ui CN)</i>	<b>Kth</b> <i>Kythnos (GR Ae)</i>	<b>LS</b> <i>Lesotho</i>	<b>Lzh</b> <i>Lanzhou (CN)</i>
<b>K-T</b> <i>Kourgak-aon (CN Ui)</i>	<b>Kgr</b> <i>Kangra (Hp IN)</i>	<b>Kng</b> <i>King Island (AU)</i>	<b>Ktm</b> <i>Kurtschum Mts. (KG)</i>	<b>LT</b> <i>Lituania</i>	<b>M-A</b> <i>Muzthag-Ata (Ui CN)</i>
<b>KBa</b> <i>Kina Balu (MY Bor)</i>	<b>Kgs</b> <i>Kiangsu, Jiangsu (CN)</i>	<b>Knj</b> <i>Khunjerah (Gg PK)</i>	<b>Ktn</b> <i>Katun (RU Cat)</i>	<b>LV</b> <i>Latvia</i>	<b>M-E</b> <i>Middle East</i>
<b>KD</b> <i>Kermadec Is.</i>	<b>Kgz</b> <i>Karagez (TM)</i>	<b>Knn</b> <i>Kanin Peninsula (RU)</i>	<b>Kts</b> <i>Katunski Mts. (RU Cat)</i>	<b>LY</b> <i>Libya</i>	<b>M-G</b> <i>Mendong-Gomba (Ti CN)</i>
<b>KE</b> <i>Kenya</i>	<b>Kh</b> <i>Khorasan (IR)</i>	<b>Kno</b> <i>Koko-Noor (Ts CN)</i>	<b>Ktu</b> <i>Kentau (KG)</i>	<b>La</b> <i>Lanai (Hw)</i>	<b>M-K</b> <i>Mandi Kushlag (Gg PK)</i>
<b>KG</b> <i>Kazachstan</i>	<b>KhM</b> <i>Khaja Mohammad Range (AF)</i>	<b>Knk</b> <i>Kansk (RU Kj)</i>	<b>Ku</b> <i>Kuldja (Ui CN)</i>	<b>LaL</b> <i>Lacki-La (Ti CN)</i>	<b>M-S</b> <i>Mazar-i-Sharif (AF)</i>
<b>KH</b> <i>Cambodia</i>	<b>Khs</b> <i>Khovir-Souimoune (CN Ui)</i>	<b>Knn</b> <i>Kanin Peninsula (RU)</i>	<b>KuA</b> <i>Kungei Alatau (KK)</i>	<b>Lag</b> <i>Lagodechi (GG)</i>	<b>MA</b> <i>Marocco</i>
<b>KI</b> <i>Kiribati (Canton &amp; Edenbury Is., Fanning, Washington, Christmas, Line, Ocean, Phoenix Is.)</i>	<b>Kha</b> <i>Khasuri (GG)</i>	<b>Knt</b> <i>Kentucky (US)</i>	<b>KuB</b> <i>Kuh-i-Binaloud (IR Kh)</i>	<b>Lau</b> <i>Lau (FJ)</i>	<b>MC</b> <i>Monaco</i>
<b>KK</b> <i>Kirgizistan</i>	<b>Khd</b> <i>Khurdapin (Gg PK)</i>	<b>Knw</b> <i>Kunawur (Hp IN)</i>	<b>KuS</b> <i>Kuh-i-Sabalan (IR)</i>	<b>Lb</b> <i>Lombok (ID)</i>	<b>MCe</b> <i>Massif Central (FR)</i>
<b>KM</b> <i>Comoros Is.</i>	<b>Khj</b> <i>Kuhenjan Pass (IR Fa)</i>	<b>Ko</b> <i>Kosovo (YU)</i>	<b>Kud</b> <i>Kudara (TJ Pm)</i>	<b>Lc</b> <i>Lanchowfu, Lanzhou (Gn CN)</i>	<b>MD</b> <i>Moldovo</i>
<b>KP</b> <i>North Korea</i>	<b>Khr</b> <i>Khorgosse (CN Ui)</i>	<b>Kod</b> <i>Kodiak Island (Als US)</i>	<b>Kul</b> <i>Kulu (Hp IN)</i>	<b>Le</b> <i>Lesbos (GR Ae)</i>	<b>MG</b> <i>Madagascar (Malagasy Rep.)</i>
<b>KR</b> <i>South Korea</i>	<b>Khs</b> <i>Khasi Hills (IN)</i>	<b>Koj</b> <i>Kojak pass (Bl PK)</i>	<b>Kun</b> <i>Kounguesse, Kungus (CN Ui)</i>	<b>Leh</b> <i>Leh (Ld)</i>	<b>MH</b> <i>Marshall Isl.</i>
<b>KW</b> <i>Kuwait</i>	<b>Ki</b> <i>Kikladhes (GR)</i>	<b>Kor</b> <i>Kordai Pass (KG)</i>	<b>Kur</b> <i>Kuraminski Mts. (KK)</i>	<b>Lei</b> <i>Leiria, Alcobaca (PT)</i>	<b>MK</b> <i>Makedonia</i>
<b>Ka</b> <i>Karaganda (KG)</i>	<b>Kig</b> <i>Kiangsi, Jiangxi (CN)</i>	<b>Kos</b> <i>Kos (GR, Ae)</i>	<b>Kus</b> <i>Kurusch (Da RU)</i>	<b>Len</b> <i>Lenkoran (AZ)</i>	<b>ML</b> <i>Mali</i>
<b>KaM</b> <i>Kala-i-Mor (TM)</i>	<b>Kir</b> <i>Kirovabad, Gancha, Elisabethpol, Helenendorf (AZ)</i>	<b>Kp</b> <i>Kopet, Achal Tekke Dagħ (TM)</i>	<b>Kut</b> <i>Kutscha, nw.Karaschar (CN Ui)</i>	<b>Leo</b> <i>Leon (C-L ES)</i>	<b>MM</b> <i>Myanmar</i>
<b>KaT</b> <i>Kara-Takir (TM)</i>	<b>Kis</b> <i>Kislowodsk (RU)</i>	<b>Kpl</b> <i>Khapalu (Bt)</i>	<b>Kuz</b> <i>Kuznetskii Alatau (NAt RU)</i>	<b>Ler</b> <i>Leros (GR Ae)</i>	<b>MN</b> <i>Mongolia</i>
<b>Kab</b> <i>Kabul (Bm AF)</i>	<b>Kj</b> <i>Krasnoyarsk Kray, Minussinsk, Jenissejsk, Bolschoi (RU)</i>	<b>Kpt</b> <i>Kaptschagai (KG)</i>	<b>Kvr</b> <i>Kavirondo, Masai Mara, Loita Hills (KE)</i>	<b>Ley</b> <i>Leyte (PH)</i>	<b>MO</b> <i>Macau</i>
<b>Kag</b> <i>Kagan (PK)</i>	<b>Kja</b> <i>Kisil-jar (TJ Pm)</i>	<b>KqL</b> <i>Koqui-La (Ti CN)</i>	<b>Kvu</b> <i>Kivu (ZR)</i>	<b>Lf</b> <i>Lifou (LO)</i>	<b>MP</b> <i>Northern Mariana Isl.</i>
<b>Kai</b> <i>Kai (ID)</i>	<b>Kjb</b> <i>Khunjerab pass (Gg PK)</i>	<b>Kr</b> <i>Krasnodar Kray, Novorossiysk, Tuapse, Sochi (RU)</i>	<b>Kw</b> <i>Kokschetaw (KG)</i>	<b>Lg</b> <i>Kalunga Oblast (RU)</i>	<b>MQ</b> <i>Martinique</i>
<b>Kal</b> <i>Kalimnos (GR Ae)</i>	<b>Kk</b> <i>Karakorum (PK Ui Ch IN CN)</i>	<b>Krk</b> <i>Kerak (JO)</i>	<b>KwT</b> <i>Kwangsi-Tschuang, Guangxi Zhuangzu (CN)</i>	<b>LgL</b> <i>Large-La (Ti CN)</i>	<b>MR</b> <i>Mauretania</i>
<b>Kan</b> <i>Kansas (US)</i>	<b>Kka</b> <i>Kushka (TM)</i>	<b>Krc</b> <i>Karachi (Kurache) (Sd PK)</i>	<b>Kwa</b> <i>Kwangtung, Guangdong (CN)</i>	<b>Lgg</b> <i>Lingga (ID)</i>	<b>MS</b> <i>Montserrat</i>
<b>Kar</b> <i>Karpathos (GR)</i>	<b>Kkl</b> <i>Karakul lake (Pm TJ)</i>	<b>Krd</b> <i>Karind Gorge (IR)</i>	<b>Kwk</b> <i>Karawanken Alps</i>	<b>Lh</b> <i>Lahore (Pj PK)</i>	<b>MT</b> <i>Malta</i>
<b>Kas</b> <i>Kastelloriso (GR Ae)</i>	<b>Kkr</b> <i>Karkar (PG)</i>	<b>Krg</b> <i>Kargil (Ld)</i>	<b>Kwr</b> <i>Kathiawar (IN)</i>	<b>Lha</b> <i>Lhasa (Ti CN)</i>	<b>MU</b> <i>Mauritius</i>
<b>Kat</b> <i>Karatau (UZ)</i>	<b>Kkt</b> <i>Kokschattau Mts. (KK)</i>	<b>Krh</b> <i>Karen Hills, Mulmein (MM)</i>	<b>Kwt</b> <i>Kweitschou, Guizhou (CN)</i>	<b>Lho</b> <i>Lahoul (IN)</i>	<b>MV</b> <i>Maldives</i>
<b>Kau</b> <i>Kauai (Hw)</i>	<b>Kku</b> <i>Kirkuk (IQ)</i>	<b>Krk</b> <i>Kuruk Dagħ (CN Ui)</i>	<b>Ky</b> <i>Kysyl-Orda (KG)</i>	<b>Li</b> <i>Lipsi (GR Ae)</i>	<b>MW</b> <i>Malawi</i>
<b>Kaz</b> <i>Kazerun (IR)</i>	<b>Kl</b> <i>Korla (Ui CN)</i>	<b>Krl</b> <i>Kuril Islands (RU)</i>	<b>Kyk</b> <i>Koryak Autonomus Okrug (district) (RU)</i>	<b>Lig</b> <i>Liguria (IT)</i>	<b>MX</b> <i>Mexico</i>
<b>Kb</b> <i>Kabardino-Balkaria (RU)</i>	<b>Kla</b> <i>Kalao (ID)</i>	<b>Krm</b> <i>Karakorum Pass (CN Ui)</i>	<b>Kyz</b> <i>Kyzyl-Art Pass (TJ Pm)</i>	<b>Lim</b> <i>Limnos (GR Ae)</i>	<b>MY</b> <i>Malaysia (Malaysia, Sabah, Sarawak)</i>
<b>Kbb</b> <i>Koh-i-Baba Mts. (AF)</i>	<b>Klb</b> <i>Kalba Mts. (Sp KG)</i>	<b>Krn</b> <i>Krasnowodsk (TM)</i>	<b>Kz</b> <i>Khuzistan (IR)</i>	<b>Lis</b> <i>Lisboa, Lissabon (PT)</i>	<b>MZ</b> <i>Mozambik</i>
<b>Kbj</b> <i>Kotschubej (Da RU)</i>	<b>Klm</b> <i>Kalam (PK)</i>	<b>Krs</b> <i>Keros (GR, Ae)</i>	<b>KzK</b> <i>Kyzylsu Kyrgyz Aptonom Oblast (Ui CN)</i>	<b>Lk</b> <i>Leukas (GR)</i>	<b>Ma</b> <i>Markazi (IR)</i>
<b>Kbl</b> <i>Karbala (IQ)</i>	<b>Klr</b> <i>Kuldschur (TM)</i>	<b>Krt</b> <i>Kärnten, Carinthia, Karawanken Mts. (AT)</i>	<b>Ky</b> <i>Kysyl-Orda (KG)</i>	<b>Lkl</b> <i>Laklout (LB)</i>	<b>MaL</b> <i>Marsimik La (Ld)</i>
<b>Kbu</b> <i>Kharbu (Ld)</i>	<b>Kls</b> <i>Kailash Mt. (Ti CN)</i>	<b>Ks</b> <i>Kasos (GR)</i>	<b>KzT</b> <i>Kyzyl-Takir (TM)</i>	<b>Lkw</b> <i>Langkawi (MY)</i>	<b>Maa</b> <i>Maalula (SY)</i>
<b>Kc</b> <i>Karachay-Cherkessia (RU)</i>	<b>Klt</b> <i>Kalimantan (ID)</i>	<b>Ksk</b> <i>Kasumkent (Da RU)</i>	<b>Kzb</b> <i>Kazbeg (GG)</i>	<b>Llz</b> <i>Lalazar (PK)</i>	<b>Mac</b> <i>Mach (Bl PK)</i>
<b>Kch</b> <i>Kachin (MM)</i>	<b>Klv</b> <i>Karlovo (BG)</i>	<b>Ksm</b> <i>Kosmos Stansiya (KG TrA)</i>	<b>Kzk</b> <i>Kazakewitsch (Chb RU)</i>	<b>Lm</b> <i>Lombardy (IT)</i>	<b>Mah</b> <i>Mahackala (Da RU)</i>
<b>Kd</b> <i>Kordestan (IR)</i>	<b>Km</b> <i>Kermanshah (IR)</i>	<b>Ksp</b> <i>Kazikoparan (TR)</i>	<b>Kzr</b> <i>Kazerun (IR Fa)</i>	<b>Lmb</b> <i>Lambe (TM)</i>	<b>Mai</b> <i>Maine (US)</i>
<b>Kdg</b> <i>Khardung La (Ld IN)</i>	<b>Kma</b> <i>Kumaon (IN)</i>	<b>Ksr</b> <i>Kesrouan Mt. (LB)</i>	<b>LA</b> <i>Laos</i>	<b>Ln</b> <i>Lob Noor (Ui CN)</i>	<b>Maj</b> <i>Majorca Isl. (B-I ES)</i>
<b>Kdj</b> <i>Keredj (Th IR)</i>	<b>Kme</b> <i>Kema (Ti CN)</i>	<b>Kss</b> <i>Kissar Is. (ID)</i>	<b>LAT</b> <i>Lower Austria (AT)</i>	<b>Lnz</b> <i>Lanzarote (Cn ES)</i>	<b>Man</b> <i>Margelan (UZ)</i>
<b>Kdv</b> <i>Kandovan (Th IR)</i>	<b>Kmk</b> <i>Kalmykow (Uk KG)</i>		<b>LB</b> <i>Libanon</i>	<b>Lo</b> <i>Lorestan (IR)</i>	<b>Mar</b> <i>Marinduque (PH)</i>
<b>Ke</b> <i>Kerman (IR)</i>	<b>Kml</b> <i>Kumul (Hami, Chamyl) (Ui CN)</i>		<b>LC</b> <i>St. Lucia</i>	<b>Lor</b> <i>Loralai (Bl PK)</i>	<b>Mas</b> <i>Masbate (PH)</i>
<b>Kea</b> <i>Kea (GR Ae)</i>	<b>Kmr</b> <i>Komaru La (Ld)</i>		<b>LI</b> <i>Liechtenstein</i>	<b>Lou</b> <i>Lousiana (US)</i>	<b>Mau</b> <i>Maui (Hw)</i>
<b>Ked</b> <i>Kedabek (AZ)</i>				<b>Lp</b> <i>Leipzig (DE)</i>	<b>Mb</b> <i>Mombasa, Lamu, Coastal Forests (KE)</i>
<b>Kef</b> <i>Kefallenia (GR)</i>				<b>Lpr</b> <i>Lipari Isl. (IT)</i>	<b>Mbm</b> <i>Macheribroum (CN Ui)</i>
<b>Kem</b> <i>Kema (Ld)</i>				<b>Lps</b> <i>Lepsa (KG)</i>	<b>Mc</b> <i>Mandschurei, Manchuria, Heilongjiang (CN)</i>
<b>Ken</b> <i>Kent (GB)</i>				<b>Ls</b> <i>Lousiade (PG)</i>	<b>Mch</b> <i>Michigan (US)</i>
<b>Ker</b> <i>Kerala (IN)</i>				<b>Ls1</b> <i>Misima (Ls PG)</i>	<b>Md</b> <i>Madeira Isl. (PT)</i>
<b>Ket</b> <i>Ketmen Mts. (Tk KG)</i>				<b>Ls2</b> <i>Tagula (Ls PG)</i>	<b>MdL</b> <i>Monda-La (Ti CN)</i>
				<b>Ls3</b> <i>Yela (Ls PG)</i>	<b>Mdo</b> <i>Mindoro (PH)</i>
				<b>Lt</b> <i>Leti (ID)</i>	
				<b>Ltg</b> <i>Litang (CN Ti)</i>	
				<b>Ltk</b> <i>Latakia (SY)</i>	
				<b>Ltv</b> <i>Listvjaga Mts. (KG)</i>	
				<b>Lub</b> <i>Lubang (PH)</i>	

<b>Mdr</b> Madrid ( <i>Mdr ES</i> )	<b>Mns</b> Minnesota ( <i>US</i> )	<b>N-G</b> Nathia Gali ( <i>PK</i> )	<b>Nab</b> Nablus ( <i>IL</i> )	<b>Ns</b> Nowaja Semlja ( <i>RU</i> )	<b>PA</b> Panama
<b>Me</b> Meis ( <i>GR</i> )	<b>Mnt</b> Manitoba ( <i>CA</i> )	<b>NA</b> Namibia	<b>Nag</b> Naga Hills ( <i>IN</i> )	<b>Nsc</b> New Scotia ( <i>CA</i> )	<b>PE</b> Peru
<b>Mek</b> Mekong ( <i>CN Yu</i> )	<b>Mnu</b> Minussinsk ( <i>Kj RU</i> )	<b>NAt</b> North Altai ( <i>RU</i> )	<b>Nai</b> Central Highlands of Kenya, Nairobi, Mt. Kenya, Mt. Aberdare Meru ( <i>KE</i> )	<b>Nsh</b> Nanshan Mts. ( <i>CN</i> )	<b>PF</b> French Polynesia (incl. Society, Tuamotu, Marquesas, Tubuai, Gambier, Austral & Clipperton Is.)
<b>Mer</b> Meron Mt. ( <i>IL</i> )	<b>Mo</b> Moscou Oblast ( <i>RU</i> )	<b>NAu</b> Darwin, Northern Territorium ( <i>AU</i> )	<b>Nal</b> Nalchik ( <i>Kb RU</i> )	<b>Nss</b> Nissa ( <i>IR Th</i> )	<b>PG</b> Papua New Guinea ( <i>Yeni Gine</i> )
<b>Mg</b> Mangyschlakskaja ( <i>KG</i> )	<b>Moa</b> Moa Is. ( <i>ID</i> )	<b>NBr</b> New Britain ( <i>PG</i> )	<b>Nar</b> Naran ( <i>PK</i> )	<b>Nsx</b> Niş ( <i>Ser YU</i> )	(Bismarck, Lousiades, Admiralty, n. Solomon, Trobriand, New Britain, New Ireland, Woodlark Isl.)
<b>Mga</b> Mogadisho, Benadir ( <i>SO</i> )	<b>Mol</b> Molokai ( <i>Hw</i> )	<b>NC</b> New Caledonia (Pines, Loyalty, Huon, Belep, Chesterfield, Waipole Is.)	<b>Nat</b> Natuna ( <i>ID</i> )	<b>Nt</b> North Ossetia ( <i>RU</i> )	<b>PH</b> Philippine Isl.
<b>Mgab</b> Murgab ( <i>TM</i> )	<b>Mos</b> Mosul ( <i>Nw IQ</i> )	<b>NE</b> Niger	<b>Nau</b> Na'ur ( <i>JO</i> )	<b>Nta</b> Natal ( <i>ZA</i> )	<b>PK</b> Pakistan
<b>Mgb</b> Murgab ( <i>Pm TJ</i> )	<b>Mp</b> Madhya Pradesh ( <i>IN</i> )	<b>NF</b> Norfolk Is.	<b>Nbk</b> An Nabk ( <i>SY</i> )	<b>Nu</b> Nuristan ( <i>Ng AF</i> )	<b>PL</b> Poland
<b>Mgd</b> Magadan Oblast ( <i>RU</i> )	<b>Mpr</b> Manipur ( <i>IN</i> )	<b>NG</b> New Georgia ( <i>SB</i> )	<b>Nbt</b> Nebit Dagħ ( <i>TM</i> )	<b>Nuk</b> Nukus ( <i>UZ</i> )	<b>PMo</b> Port Moresby ( <i>PG</i> )
<b>Mgg</b> Magdeburg ( <i>DE</i> )	<b>Mr</b> Murmansk Oblast ( <i>RU</i> )	<b>NGe1</b> Vella Lavella ( <i>NGe SB</i> )	<b>Ne</b> Nevada ( <i>US</i> )	<b>Nus</b> Nusayriyah Mt. ( <i>SY</i> )	<b>PN</b> Pitcaim (incl. Henderson Is., Ducie & Oeno)
<b>Mgh</b> Meghalaya, Khasi Hills ( <i>IN</i> )	<b>Mrc</b> Marche ( <i>IT</i> )	<b>NGe2</b> Ganongga ( <i>NGe SB</i> )	<b>Neb</b> Nebraska ( <i>US</i> )	<b>Nv</b> Nahtchivan ( <i>AZ</i> )	<b>PR</b> Puerto Rico
<b>Mgl</b> Mangole ( <i>ID</i> )	<b>Mrd</b> Marand ( <i>IR</i> )	<b>NGe3</b> Gizo ( <i>NGe SB</i> )	<b>Neg</b> Negros ( <i>PH</i> )	<b>Nw</b> Ninawa ( <i>IQ</i> )	<b>PT</b> Portugal
<b>Mgo</b> Mingora ( <i>PK</i> )	<b>Mre</b> Murree ( <i>Pj PK</i> )	<b>NGe4</b> Kolombangara ( <i>NGe SB</i> )	<b>Nem</b> Nemre ( <i>SY</i> )	<b>Nwf</b> North West Frontier Province ( <i>PK</i> )	<b>PW</b> Palau
<b>Mgr</b> Mingora ( <i>Swa PK</i> )	<b>Mrg</b> Mergui Isl. ( <i>MM</i> )	<b>NGe5</b> Roviana ( <i>NGe SB</i> )	<b>Nf</b> Nefud, a region of sand-hills north of Hail ( <i>SA Nf</i> )	<b>Nym</b> Narym Mts ( <i>Mn KG</i> )	<b>PY</b> Paraguay
<b>Mh</b> Maharashtra, Bombay, Poona ( <i>IN</i> )	<b>Mrk</b> Monrak Mts. ( <i>Sp KG</i> )	<b>NGe6</b> Rendova ( <i>NGe SB</i> )	<b>Nfl</b> New Foundland ( <i>CA</i> )	<b>Nys</b> Neyshapur ( <i>Kh IR</i> )	<b>Pa</b> Palestine ( <i>IL JO</i> )
<b>Mhl</b> Maharlu lake ( <i>IR Fa</i> )	<b>Mrn</b> Mardan ( <i>PK</i> )	<b>NGe7</b> Tetipari ( <i>NGe SB</i> )	<b>Ng</b> Nangrahar, Konar ( <i>AF</i> )	<b>Nz</b> Nizhegorod Oblast ( <i>RU</i> )	<b>Pag</b> Pagman ( <i>Bm AF</i> )
<b>Mho</b> Minho, Aquem-os-Montes ( <i>PT</i> )	<b>Mrt</b> Alpes Maritimes ( <i>FR</i> )	<b>NGe8</b> Vangumu ( <i>NGe SB</i> )	<b>Ngr</b> Nagar ( <i>PK</i> )	<b>Nzr</b> Nezaireth ( <i>IL</i> )	<b>Pal</b> Palawan ( <i>PH</i> )
<b>Mhr</b> Mähren, Moravia ( <i>CZ</i> )	<b>Mrw</b> Merw, Mary ( <i>TM</i> )	<b>NGe9</b> Gatukai ( <i>NGe SB</i> )	<b>Ngv</b> Negev ( <i>IL</i> )	<b>OM</b> Oman	<b>Pan</b> Panay ( <i>PH</i> )
<b>Mi</b> Misool ( <i>ID</i> )	<b>Ms</b> Marquesas Is. ( <i>PF</i> )	<b>NH</b> New Hebrides	<b>Nh</b> New Hampshire ( <i>US</i> )	<b>OSw</b> Oberschwaben, Upper Swabian ( <i>Bw DE</i> )	<b>Pao</b> Panaon ( <i>PH</i> )
<b>MiL</b> Mi-La ( <i>Ti CN</i> )	<b>Msc</b> Massachusetts ( <i>US</i> )	<b>NHa</b> New Hannover ( <i>PG</i> )	<b>Ni</b> Nissi Thrakis ( <i>GR</i> )	<b>Oa</b> Oahu ( <i>Hw</i> )	<b>Par</b> Paros ( <i>GR Ae</i> )
<b>Mia</b> Mian Kotal ( <i>IR Fa</i> )	<b>Msg</b> Misgar ( <i>Gg PK</i> )	<b>NHu</b> Ningsia-Hui, Ningxia-Huizu ( <i>CN</i> )	<b>Nia</b> Nias ( <i>ID</i> )	<b>Ob</b> Obi ( <i>ID</i> )	<b>Pas</b> Pasanauri ( <i>GG</i> )
<b>Mig</b> Migri, Megri ( <i>AM</i> )	<b>Msh</b> Meshed ( <i>Kh IR</i> )	<b>NI</b> Nicaragua	<b>Nii</b> Niihau ( <i>Hw</i> )	<b>Och</b> Ochrid ( <i>MK</i> )	<b>Pat</b> Patun ( <i>PK</i> )
<b>Min</b> Minorca Isl. ( <i>B-I ES</i> )	<b>Msm</b> Mishmi Hills ( <i>MM</i> )	<b>NlR</b> New Ireland ( <i>PG</i> )	<b>Nis</b> Nistros ( <i>GR, Ae</i> )	<b>Oga</b> Ogasawara Is. ( <i>JP</i> )	<b>Pe</b> Penza Oblast ( <i>RU</i> )
<b>Mis</b> Missouri ( <i>US</i> )	<b>Msr</b> Mansehra ( <i>PK</i> )	<b>NL</b> Netherlands	<b>Nj</b> Nejd, province of north-east Arabia ( <i>SA Nj</i> )	<b>Ogd</b> Ogaden ( <i>ET</i> )	<b>Pes</b> Peshawar ( <i>Nwf PK</i> )
<b>Miy</b> Miyako Is. ( <i>JP</i> )	<b>Mss</b> Mississippi ( <i>US</i> )	<b>NMx</b> New Mexico ( <i>US</i> )	<b>Nje</b> New Jersey ( <i>US</i> )	<b>Oh</b> Ohio ( <i>US</i> )	<b>Pet</b> Petra ( <i>JO</i> )
<b>Mk</b> Makedhonia ( <i>GR</i> )	<b>Mst</b> Mostar ( <i>B-H</i> )	<b>NNz</b> North Island ( <i>NZ</i> )	<b>Nk</b> Nicobar Isl. ( <i>IN</i> )	<b>Ohk</b> Ochotsk ( <i>RU Chb</i> )	<b>Peu</b> Pico de Europa, Pyrenees ( <i>San Ct ES</i> )
<b>Mkk</b> Markakol lake ( <i>Mn KG</i> )	<b>Msy</b> Masyaf ( <i>SY</i> )	<b>NO</b> Norway	<b>Nkl</b> Novo Kasalinsk ( <i>KG</i> )	<b>Oi</b> Orissa ( <i>IN</i> )	<b>Pg</b> Puglia ( <i>IT</i> )
<b>Mkl</b> Maklen Pass ( <i>B-H</i> )	<b>Mt</b> Montenegro ( <i>YU</i> )	<b>NP</b> Nepal	<b>Nks</b> Nuksan Pass ( <i>Bd Hk AF</i> )	<b>Ok</b> Oklahoma ( <i>US</i> )	<b>Ph</b> Phari-Yong ( <i>BT</i> )
<b>Mkt</b> Makantschi ( <i>KG</i> )	<b>Mtc</b> Montecristo Is. ( <i>IT</i> )	<b>NR</b> Nauru	<b>NI</b> Nilgiris ( <i>IN</i> )	<b>Oki</b> Okinawa Is. ( <i>JP</i> )	<b>Pi</b> Pirin Mts. ( <i>BG</i> )
<b>MI</b> Milos ( <i>GR, Ae</i> )	<b>Mti</b> Morotai ( <i>ID</i> )	<b>NSD</b> Northern Sudan, Atbara, Nubian desert ( <i>SD</i> )	<b>Nm</b> Nimroz, Helmand ( <i>AF</i> )	<b>Okr</b> Okrug ( <i>Ew RU</i> )	<b>Pia</b> Pianosa Is. ( <i>IT</i> )
<b>Mlc</b> Moluccas ( <i>ID</i> )	<b>Mtl</b> Metulla ( <i>IL</i> )	<b>NSW</b> New South Wales ( <i>AU</i> )	<b>Nma</b> Nimaling valley ( <i>Ld</i> )	<b>Ol</b> Ölland ( <i>SE</i> )	<b>Pj</b> Punjab ( <i>PK IN</i> )
<b>Mlg</b> Malaga ( <i>An ES</i> )	<b>Mts</b> Martselang ( <i>Ld</i> )	<b>NSw</b> New South Wales ( <i>AU</i> )	<b>Nmg</b> Namangan ( <i>UZ</i> )	<b>Om</b> Omsk ( <i>RU</i> )	<b>Pja</b> Pjatigorsk ( <i>RU</i> )
<b>Mlg</b> Malaga ( <i>An ES</i> )	<b>Mtz</b> Mehterzai Pass ( <i>Bl PK</i> )	<b>NTa</b> Neckar-Tauberland ( <i>Bw DE</i> )	<b>Nmk</b> Namika-La ( <i>Ld</i> )	<b>Omi</b> Omin ( <i>Ui CN</i> )	<b>Pjr</b> Panjshir ( <i>AF</i> )
<b>Mlk</b> Malakand ( <i>Swa PK</i> )	<b>Muc</b> Murcia ( <i>Mu ES</i> )	<b>NU</b> Niue Is.	<b>Nn</b> Nenets Autonomous Rep. ( <i>RU</i> )	<b>On</b> Ontario ( <i>CA</i> )	<b>Pkn</b> Peking, Beijing ( <i>CN</i> )
<b>Mls</b> Molise ( <i>IT</i> )	<b>Muk</b> Moukthara ( <i>LB</i> )	<b>NZ</b> New Zealand	<b>No</b> Nowosibirsk ( <i>RU</i> )	<b>Or</b> Orenburg ( <i>RU</i> )	<b>Pl</b> Peloponnesus ( <i>GR</i> )
<b>Mlv</b> Melville Island ( <i>AU</i> )	<b>Mur</b> Murgha ( <i>Bl PK</i> )	<b>Na</b> Naryn ( <i>KK</i> )	<b>Noc</b> Nochur ( <i>TM</i> )	<b>Ord</b> Ordubad ( <i>Nv AZ</i> )	<b>Plm</b> La Palma ( <i>Cn ES</i> )
<b>Mn</b> Ust Kamenogorsk ( <i>KG</i> )	<b>Mus</b> Musourie, Masuri ( <i>IN</i> )	<b>NaS</b> Nabi Sbat ( <i>LB</i> )	<b>Nos</b> Now Shahr ( <i>IR</i> )	<b>Ore</b> Orense ( <i>Gc ES</i> )	<b>Pln</b> Palni Hills ( <i>Tn IN</i> )
<b>Mnas</b> Manas ( <i>Ui CN</i> )	<b>Muz</b> Mouzarte ( <i>CN Uj</i> )		<b>Nov</b> Novorossiysk ( <i>Kr RU</i> )	<b>Org</b> Oregon ( <i>US</i> )	<b>Plr</b> Polur ( <i>IR</i> )
<b>Mng</b> Manglis ( <i>Tbl GG</i> )	<b>Mw</b> Mentawai ( <i>ID</i> )		<b>Now</b> Nowshera ( <i>Nwf PK</i> )	<b>Ork</b> Orkney Isl. ( <i>GB</i> )	<b>Pm</b> Pamir ( <i>TJ</i> )
<b>Mnj</b> Minjan Pass ( <i>Nu AF</i> )	<b>My</b> Mykonos ( <i>GR, Ae</i> )		<b>Nr</b> Novgorod Oblast ( <i>RU</i> )	<b>Os</b> Ossetia ( <i>RU GG</i> )	<b>Pmt</b> Piedmont ( <i>IT</i> )
<b>Mnn</b> Minshan ( <i>Gn CN</i> )	<b>MyL</b> May-La ( <i>Ti CN</i> )		<b>Nrk</b> Narynkol ( <i>KG</i> )	<b>Osh</b> Osch ( <i>KK</i> )	<b>Pmy</b> Palmyra ( <i>SY</i> )
<b>Mno</b> Mindanao ( <i>PH</i> )	<b>Mys</b> Mysore, Belgaum ( <i>IN</i> )		<b>Nrr</b> Navarra ( <i>Nrr ES</i> )	<b>Ota</b> Otar ( <i>KG</i> )	<b>Pn</b> Pennine Alps ( <i>CH</i> )
<b>Mnp</b> Minneapolis ( <i>US</i> )	<b>Mz</b> Mazandaran ( <i>IR</i> )		<b>Nrw</b> North Rhine-Westphalia ( <i>DE</i> )	<b>Ott</b> Ottoman	<b>Pnj</b> Panjao ( <i>Bm AF</i> )
	<b>N-A</b> Nuratau, Aktau ( <i>UZ</i> )			<b>Ov</b> Oviedo ( <i>Atu ES</i> )	<b>Pns</b> Pennsylvania ( <i>US</i> )
				<b>Oy</b> Olympus Mt. ( <i>GR</i> )	<b>Po</b> Pokrowski ( <i>KK</i> )
				<b>Oz</b> Ozerniy ( <i>KG TrA</i> )	
				<b>P-P</b> Pir Panjal ( <i>IN</i> )	
				<b>P-T</b> Pulau Tioman ( <i>ID</i> )	

<b>Pok</b> Pokrofska (Ya RU)	<b>Ra</b> Rascht (IR)	<b>SDk</b> South Dakota (US)	<b>Sev</b> Severobaikalsk (Ir RU)	<b>Sju</b> Sjogaty Mts. (Tk KG)	<b>Son</b> Songar (Ya RU)
<b>Pol</b> Polillo (PH)	<b>RaL</b> Rama La (CN Ti)	<b>SE</b> Sweden	<b>Sf</b> Sifnos (GR Ae)	<b>Sjv</b> Sarajevo (B-H)	<b>Sor</b> Soria (C-L ES)
<b>Poo</b> Poona (Mh IN)	<b>RaN</b> Ras an Naqab (JO)	<b>SG</b> Singapore	<b>Sfd</b> Safad Castle (north Galilee / Tiberias lake) (IL)	<b>Sk</b> Sokotra (YE)	<b>Sp</b> Semipalatinsk (KG)
<b>Por</b> Portalegre (PT)	<b>Ran</b> Rankus (SY)	<b>SH</b> St. Helena	<b>Sfk</b> Safed Koh (PK AF)	<b>SkL</b> Skoro-La (Gg PK)	<b>Spi</b> Spiti (IN)
<b>Pos</b> Postdam (DE)	<b>Rb</b> Rabang (Ti CN)	<b>SI</b> Sikkim	<b>Sfs</b> Serifos (GR Ae)	<b>Skd</b> Skardu (Bt PK)	<b>Spl</b> Skopelos (GR Ae)
<b>Pp</b> Petropavlovsk (KG)	<b>Rd</b> Rhodos (GR)	<b>SK</b> Slovakia	<b>Sg</b> Samanghan, Balkh, Kunduz, Bahlan, Takhmar (AF)	<b>Skh</b> Sisakht (IR Kz)	<b>Spt</b> Sunpanting (CN Sz)
<b>Ppp</b> Philippopel (BG)	<b>Rdi</b> Rhode Island (US)	<b>SL</b> Sierra Leone	<b>Sga</b> Sanga Sanga (PH)	<b>Skj</b> Skopje (MK)	<b>Sqq</b> Saqqez (IR)
<b>Pr</b> Perm Oblast (RU)	<b>Rdu</b> Rondou (Bt PK)	<b>SLa</b> Sealand (DK)	<b>Sgh</b> Sangihe (ID)	<b>Skp</b> Schipka Pass (BG)	<b>Sr</b> Saratov Oblast, Krasnoarmeysk (Sarepta) (RU)
<b>PrG</b> Parang Pass (IN)	<b>Re</b> Rennel (SB)	<b>SM</b> San Marino	<b>Sgl</b> Shangla (PK)	<b>Sks</b> Skiathos (GR Ae)	<b>Srb</b> Sarobi (Bm AF)
<b>Prn</b> Parnassus Mt. (GR)	<b>Rf</b> Rif (MA)	<b>SN</b> Senegal	<b>Sgr</b> Sangir (ID)	<b>Sky</b> Skyros (GR Ae)	<b>Srd</b> Schahrud (IR)
<b>Pro</b> Provinces (FR)	<b>Rg</b> Rasgrad (BG)	<b>SNz</b> South Island (NZ)	<b>Sgy</b> Serghaya (SY)	<b>SI</b> Smolensk Oblast (RU)	<b>Sri</b> Srinagar (Ch)
<b>Prv</b> Providenia (RU Tch)	<b>Rh</b> Rhodope Mts. (BG)	<b>SO</b> Somalia	<b>Sh</b> Sakhalin (RU)	<b>Sla</b> Sula (ID)	<b>Srm</b> Sairam lake (Ui CN)
<b>Prw</b> Parwan (AF)	<b>Ri</b> Riukiu (JP)	<b>SR</b> Suriname	<b>ShA</b> Shiraz-Ardekan Pass (IR Fa)	<b>Sle</b> Salechard (Yl RU)	<b>Sry</b> Sarykol (Pm TJ)
<b>Ps</b> Pskov Oblast (RU)	<b>Ril</b> Rila Mts. (BG)	<b>SS</b> Slovenia	<b>ShE</b> Shar-e-Estakhr (IR Fa)	<b>Sle</b> Slenfe (SY)	<b>Ss</b> Sistan & Baluchistan (IR)
<b>Psa</b> Psara (GR Ae)	<b>Rio</b> Rioja (Rio ES)	<b>ST</b> Sao Tome & Principe Isl.	<b>ShL</b> She-La (Ti CN)	<b>Slf</b> Sulaf (IQ)	<b>Ssa</b> Sersang (IQ)
<b>Pse</b> Pserimos (GR Ae)	<b>Rj</b> Rajasthan (IN)	<b>SV</b> El Salvador	<b>ShS</b> Shingulikong Shan (Ti CN)	<b>Slg</b> Salang Pass (AF)	<b>Sse</b> Sine Sefid (Fa IR)
<b>Psk</b> Pskem Mts. (KK)	<b>Rjk</b> Raddejewka (RU)	<b>SZ</b> Swaziland	<b>Sha</b> Shandur Pass (PK)	<b>Slh</b> Salahuddin (Er IQ)	<b>Ssk</b> Saskatchewan (CA)
<b>Psp</b> Persepolis (Fa IR)	<b>Rjp</b> Rajputana (IN)	<b>Sa</b> Sardinia (IT)	<b>Shb</b> Shaba (ZR)	<b>Sli</b> Salair Mts. (Nat RU)	<b>Ssl</b> Shimshal (Gg PK)
<b>Psu</b> Pasu (Gg PK)	<b>Rk</b> Arkalyk (KG)	<b>SaT</b> Sakar-Tschaga (TM)	<b>Shd</b> Shendang (CN Gn)	<b>Slo</b> Shillong (IN)	<b>Ssn</b> Saisan (Mn KG)
<b>Pt</b> St. Petersburg Oblast (RU)	<b>Rl</b> Rheinland (Bw DE FR)	<b>Saa</b> Saarland (DE)	<b>She</b> Schensi, Shaanxi (CN)	<b>Sls</b> Schlesien, Silesia (PL CZ)	<b>Ssr</b> Saser Muztagh (Ld IN)
<b>Ptm</b> Patmos (GR Ae)	<b>Rm</b> Romang Is. (ID)	<b>Sag</b> Saga, Sakha Dsong (Ti CN)	<b>Shf</b> Sharafkhaneh (IR)	<b>Slt</b> Saltoro (Ld)	<b>Sst</b> Sost (Gg PK)
<b>Pto</b> Porto, Oporto (PT)	<b>Ro</b> Rostov Oblast, Taganrog (RU)	<b>Sah</b> Sahand (IR)	<b>Shg</b> Shigar (Bt)	<b>Slv</b> Slivno (BG)	<b>Ssx</b> Sussex (GB)
<b>Pu</b> Punch, Jhelum r. (Ch)	<b>Rom</b> Romblon (PH)	<b>Sai</b> Saiful Muluk (PK)	<b>Shh</b> Schahkuh (IR)	<b>Slw</b> Salawati (ID)	<b>St</b> Stavropol Kray (RU)
<b>Pv</b> Pontevedra (Gc ES)	<b>Rot</b> Rotuma (FJ)	<b>Sal</b> Salonika (GR)	<b>Shi</b> Shirvan (Kh IR)	<b>Sly</b> Salayar (ID)	<b>Stg</b> Schantung, Shandong (CN)
<b>Pw</b> Pawlodar (KG)	<b>Rp</b> Rheinland Palatinate (DE)	<b>Sam</b> Samar (PH)	<b>Shk</b> Shikoku (JP)	<b>Slz</b> Salzburg (AT)	<b>Stm</b> Steiermark, Styria (AT)
<b>Pwk</b> Pewek (RU Tch)	<b>Rpl</b> Rupal (Ch)	<b>San</b> Santander (Ct ES)	<b>Shl</b> Suhl, Thüringen (DE)	<b>Sm</b> Samara Oblast (RU)	<b>Stp</b> Stara Planina (BG)
<b>Py</b> Pyrenees (FR,ES)	<b>Rpt</b> Repetek (TM)	<b>Sar</b> Sarangani (PH)	<b>Shm</b> Sharma Mts. (KG)	<b>Sma</b> Salamanca (C-L ES)	<b>Stt</b> Stuttgart (Bw DE)
<b>Pz</b> Przevalsk (KK)	<b>Rs</b> Russel Is. (SB)	<b>Sau</b> Saur Mts. (Sp KG)	<b>Shn</b> Shan States (MM)	<b>Sme</b> Simeulue (ID)	<b>Stu</b> Sibutu (PH)
<b>QA</b> Qatar	<b>Rsh</b> Rushan (Pm TJ)	<b>Sav</b> Savoie (FR)	<b>Sho</b> Shobak (JO)	<b>Sml</b> Simla (Hp IN)	<b>Su</b> As Sulaymaniyah (IQ)
<b>QAU</b> Queensland (AU)	<b>Rst</b> Rostock (DE)	<b>Saw</b> Sawu I. (ID)	<b>Shq</b> Shaqlawa (Er IQ)	<b>Smo</b> Samothraki (GR Ae)	<b>SuD</b> Suget-Dawan (CN Ui)
<b>Qa</b> Qargalik (Ui CN)	<b>Rt</b> Retezat Mt.	<b>Saz</b> Sazin (PK)	<b>Shr</b> Shiraz (Fa IR)	<b>Sms</b> Samos (GR Ae)	<b>SuL</b> Suge-La (Ti CN)
<b>Qad</b> Qadarabad Pass (IR Fa)	<b>Rtc</b> Rustschuk (BG)	<b>Sb</b> Siberia, Vilui (RU)	<b>Shs</b> Schansi, Shanxi (CN)	<b>Sn</b> Sinai (EG)	<b>Sul</b> Sulu Archipelago (PH)
<b>Qam</b> Qamdo (Ti CN)	<b>Rth</b> Richthofen Gebirge (CN)	<b>Sba</b> Sumba (ID)	<b>Sht</b> Shetland Islands (GB)	<b>Sna</b> San'a (YE)	<b>Sum</b> Sumatra (ID)
<b>Qar</b> Qarah (SY)	<b>Ru</b> Rustavi (Tbi GG)	<b>Sbh</b> Sabah (MY)	<b>Shv</b> Shiva lake (Bd AF)	<b>Snc</b> Sanci Huyzu Antonum Oblasti (Ui CN)	<b>Sur</b> Surrey (GB)
<b>Qb</b> Quebec (CA)	<b>Rup</b> Rupshu (Ld)	<b>Sbi</b> Sibi (Bi PK)	<b>Shy</b> Shyok (Ld)	<b>Sng</b> Sining Mts. (CN)	<b>Sv</b> Schverin (DE)
<b>Qd</b> Qadischa valley (near Bscharré) (LB)	<b>Rut</b> Rutong (Ti CN)	<b>Sbo</b> Sibbo (CN Ui)	<b>Si</b> Sicilia (IT)	<b>Sni</b> Sannine Mt. (LB)	<b>Sva</b> Svanetia (GG)
<b>Qh</b> Quchan (Kh IR)	<b>Rv</b> Riviera, St.Martin (FR)	<b>Sbt</b> Siberut (ID)	<b>Sia</b> Siargo (PH)	<b>Snj</b> Sanandaj (IR)	<b>Svl</b> Seville (An ES)
<b>Qn</b> Qunduz (Sg AF)	<b>Rw</b> Rawalpindi (Pj PK)	<b>Sbw</b> Sumbawa (ID)	<b>Sib</b> Sibuyan (PH)	<b>Snm</b> Sonamarg (Ch IN)	<b>Svn</b> Sevan (AM)
<b>Qu</b> Quetta (Bi PK)	<b>Rwz</b> Rowanduz (Er IQ)	<b>Sc</b> Scotland (GB)	<b>Sim</b> Simi (GR Ae)	<b>Snn</b> Sanana Is. (ID)	<b>Svt</b> Sarvestan (IR Fa)
<b>QuK</b> Quli Kush Pass (IR Fa)	<b>Ry</b> Rayat (Er IQ)	<b>Sd</b> Sind (PK)	<b>Sio</b> Siau Is. (ID)	<b>Snt</b> Santorin (GR Ae)	<b>Svu</b> Savu (ID)
<b>Qz</b> Qazvin (IR)	<b>S-D</b> Surchan Darja (UZ)	<b>Sda</b> Sary-Dschas Mts. (T-S KK)	<b>Sip</b> Sipura (ID)	<b>Snv</b> Sierra Nevada (ES An)	<b>Sw</b> Sheva, Shoa, Addis Ababa, Metehara, Debre Zeyt, Adis Alem, Ginchi, Fiche, Nazret, Debre Birhan, Debre Sina, Ziway, Ankobar, Shashemene, Welkite (ET)
<b>RA</b> Rapa Is.	<b>S-H</b> Schleswig-Holstein (DE)	<b>Sdh</b> Schahidullah (Cho Ui CN)	<b>Siq</b> Siquijor (PH)	<b>So</b> Simbirsk Oblast, Uljanovsk (RU)	
<b>RE</b> Reunion Is	<b>S-T</b> Suwara Tooka (IQ)	<b>Sdm</b> Sidamo, Awasa, Yirga Alem, Kibre Mengist (ET)	<b>Sis</b> Siasi (PH)	<b>Soc</b> Sochi (Kr RU)	
<b>RO</b> Romania	<b>SA</b> Saudi Arabia	<b>Sdu</b> Saidu (PK)	<b>Sj</b> Sajan Mt. (RU)	<b>Sof</b> Sofia (BG)	
<b>RU</b> Russia Federation	<b>SAt</b> South Altai (MN CN Ui)	<b>Se</b> Semnan (IR)	<b>Sjd</b> Sujdun (Ui CN)	<b>Sok</b> Sokhumi (Sva GG)	
<b>RUE</b> European Part of Russia (RU)	<b>SAu</b> South Australia, Adelaide (AU)	<b>SeT</b> Serra Tscheng (IR Fa)	<b>Sjm</b> Sojmonovsk (Cb RU)		
<b>RW</b> Rwanda	<b>SB</b> Solomon Is.	<b>Seb</b> Sebastia (near Nablus) (IL)	<b>Sjn</b> Sjunt (TM)		
	<b>SC</b> Seychelles	<b>See</b> Seeland (DK)			
	<b>SCa</b> South Carolina (US)	<b>Seg</b> Segovia (C-L ES)			
	<b>SD</b> Sudan	<b>Sem</b> Semirjetschensk (Tk KG)			
		<b>Ser</b> Serbia (YU)			
		<b>Set</b> Setubal (PT)			

<b>SwA</b> Schwäbische Alb (Bw)	<b>Tal</b> Talaud (ID)	<b>Tkg</b> Tschekiang, Zhejiang (CN)	<b>TuT</b> Tum Tum Tang (IN Spi)	<b>VI</b> Virgin Is. (US)	<b>Wtu</b> Watubela (ID)
<b>Swa</b> Swat (PK)	<b>Tan</b> Tanahdjampea (ID)	<b>Tkl</b> Tschatkal Mts. (KK)	<b>Tua</b> Tuaspe (Kr RU)	<b>VN</b> Viet Nam	<b>Wy</b> Wyoming (US)
<b>Swk</b> Sarawak (MY)	<b>Tar</b> Tarbagatai (Sp KG)	<b>Tks</b> Turkestan (KG)	<b>Tuk</b> Tukanbesi (ID)	<b>Va</b> Valais, Simplon, Bernese Alps, Pennine Alps, Zermatt (CH)	<b>Y-Y</b> Yamtso Yumco (Ti CN)
<b>Swl</b> Schwarzwald (Bw)	<b>Tar2</b> Tarbagatai (Ui CN)	<b>Tl</b> Thessalia (GR)	<b>Tul</b> Tulkeram, Tulkarim (JO)	<b>Val</b> Valladolid (C-L ES)	<b>YE</b> Yemen
<b>Sx</b> Lower Saxony (DE)	<b>Tas</b> Taschkent (UZ)	<b>Tlk</b> Talki (CN Ui)	<b>Tv</b> Tuva, partly Sajan Mts. (RU)	<b>Van</b> Vanua Levu (FJ)	<b>YU</b> Yugoslavia
<b>Sy</b> Syktyvkar, Komi Autonomous Rep. (RU)	<b>Tat</b> Tatung, Datong (Ts CN)	<b>Tls</b> Talas Mts. (KK KG)	<b>Tva</b> Transvaal (ZA)	<b>Vc</b> Vancouver Island (CA)	<b>Ya</b> Yakutia (RU)
<b>Syl</b> Sylhet (IN)	<b>Tau</b> Höhe Tauern, Gross Glockner (AT Trl)	<b>Tly</b> Tschuly (TM)	<b>Tx</b> Texas (US)	<b>Vcl</b> Valencia (Vcl ES)	<b>Ya1</b> Jakutsk (RU Ya)
<b>Syr</b> Syrdarja Mts. (KG)	<b>Taw</b> Tawi Tawi (PH)	<b>Tm</b> Tschimkent, Syrdarja Karatau (KG)	<b>Txl</b> Taxila (PK)	<b>Vd</b> Vaud (CH)	<b>Ya2</b> Vladimirovka, 100-200m (RU Ya)
<b>Sz</b> Szetschuan, Sichuan (CN)	<b>Tb</b> Tibesti (TD)	<b>Tmm</b> Tschimamedkum (TM)	<b>Ty</b> Tyumen Oblast (RU)	<b>Vdb</b> Vandarban (Mz IR)	<b>Ya3</b> Tommot, 500-700m (RU Ya)
<b>T-A</b> Trans-Alai (TJ)	<b>Tbg</b> Tabgha (near Tiberias lake) (IL)	<b>Tn</b> Tamil Nadu, Madras, Coromandel Coast (IN)	<b>TyT</b> Tayyibat at Turki (SY)	<b>Ve</b> Veluchi Mt. (GR)	<b>Ya4</b> Zarechnii, 500-700m (RU Ya)
<b>T-D</b> Tingri-Dsong (Ti CN)	<b>Tbl</b> Tbilisi, Rustavi, Gori, Manglis (GG)	<b>Tng</b> Tanegasima Is. (JP)	<b>Tyg</b> Taygetos Mt. (GR)	<b>Vel</b> Velebit (HV)	<b>Ya5</b> Tjoplii Kliutch, 250m (RU Ya)
<b>T-G</b> Turkestanskij, Malgusar (UZ)	<b>Tbr</b> Tambora Is. (ID)	<b>Tnn</b> Tennessee (US)	<b>Tyk</b> Tyschkantau Mts. (Tk KG)	<b>Vg</b> Vologda Oblast (RU)	<b>Ya6</b> Tomtor, 500m (RU Ya)
<b>T-I</b> Tschu-Ili Mts. (Tk KG)	<b>Tbs</b> Tiberias, Haifa, Nazareth (IL)	<b>Tns</b> Tenasserim (MM)	<b>Tyl</b> Tschulyshman Mts. (At RU)	<b>Vi</b> Virginia (US)	<b>Ya7</b> Koubouma, 700m (RU Ya)
<b>T-O</b> Tannu-Ola (RU Sb Tv)	<b>TbZ</b> Tabriz (IR)	<b>Tnt</b> Tangtsching Pass (Ts CN)	<b>U-B</b> Ulan-Bator, Urga (MN)	<b>Vil</b> Viti Levu (FJ)	<b>Ya8</b> Polygon, 900m (RU Ya)
<b>T-S</b> Tanrı Dağları (Tien Shan) (UZ KK CN Ui)	<b>Tc</b> Tuscany, Firenze (=Florenz), Capraia Is. (IT)	<b>Tok</b> Tokara Is. (JP)	<b>U-S</b> Usun-Su (TM)	<b>Vis</b> Viseu (PT)	<b>Ya9</b> Chrebet Suntar-Chajata, 1400m (RU Ya)
<b>T-T</b> Ta-Tsien-Lou (Sz CN)	<b>Tch</b> Tschukotski A.O. (RU)	<b>Tol</b> Toledo (C-M ES)	<b>UA</b> Ukraine	<b>Vit</b> Vitoria (Bq ES)	<b>Yak</b> Yakushima Is. (JP)
<b>TA</b> Tasmania	<b>Tcl</b> Tschulak Mts. (Tk KG)	<b>Ton</b> Tonkin (VN)	<b>UAT</b> Upper Austria (AT)	<b>Vj</b> Vjatka Oblast (RU)	<b>Yas</b> Yassudj (IR Kz)
<b>TC</b> Turks & Caicos Isl.	<b>Td</b> Tschardzhou (TM)	<b>Tp</b> Tripolitania (LY)	<b>UG</b> Uganda	<b>VI</b> Volgograd Oblast (RU)	<b>Yc</b> Yucatan (MX)
<b>TD</b> Chad	<b>Tdo</b> Tidore (ID)	<b>Tpn</b> Turpan (Ui CN)	<b>US</b> United States of America	<b>Vlu</b> Vilui (Sb RU)	<b>Ye</b> Yektarinburg Oblast (RU)
<b>TF</b> French Southern Territories (incl. Kerquelen, Amsterdam, Cochon, Possession Is.)	<b>Te</b> Telendos (GR Ae)	<b>Tr</b> Thraki (GR)	<b>UY</b> Uruguay	<b>Vn</b> Vantch Mts. (TJ Pm)	<b>Yh</b> Yangi Hissar (CN Ui)
<b>TG</b> Togo	<b>TeA</b> Terskei Alatau (KK)	<b>TrA</b> Transil-Alatau (Aa KG)	<b>UZ</b> Uzbekistan	<b>Vo</b> Vorii Sporadhes (GR)	<b>Yk</b> Yarkent (Ui, CN)
<b>TH</b> Thailand	<b>Teb</b> Teberda (Kb RU)	<b>Trb</b> Trebevic (B-H)	<b>UZh</b> Ust-Zihna (RU)	<b>Vor</b> Vorarlberg (AT Trl)	<b>Yl</b> Yamalia, Salechard (RU)
<b>TJ</b> Tajikistan	<b>Teh</b> Tehri (IN)	<b>Trd</b> Tschardara (KG)	<b>Ub</b> Umbria (IT)	<b>Vr</b> Vermout (US)	<b>Yn</b> Yanhu (Ti CN)
<b>TK</b> Tokelau Is.	<b>Tek</b> Tekes (Ui T-S CN)	<b>Trg</b> Tarragona (Cl ES)	<b>Ug</b> Ugam Mts. (Ta UZ KG)	<b>Vrn</b> Varna (BG)	<b>Yo</b> Yonagunijima Is. (JP)
<b>TM</b> Turkmenistan	<b>Tel</b> Telezkoje lake (At RU)	<b>Trk</b> Turkana (KE)	<b>Ugi</b> Ugi (SB)	<b>Vs</b> Vosges (FR)	<b>Yr</b> Yaroslav Oblast (RU)
<b>TN</b> Tunisia	<b>Ten</b> Tenos (GR Ae)	<b>Trl</b> Tirolen, Innsbruck, Ötztaler Alps, Brenner Pass (AT)	<b>Ui</b> Uighur, Xinjiang Autonomous Region (CN)	<b>Vt</b> Veneto, Mt. Baldo (IT)	<b>Ys</b> Yasin (Gg PK)
<b>TO</b> Tonga	<b>Ter</b> Teruel (Ag ES)	<b>Trn</b> Tirnovo (BG)	<b>Uil</b> Ust-Ilmsk (Ir RU)	<b>Vtm</b> Vitim river (Bry RU)	<b>Ysk</b> Yaskhan lake (TM)
<b>TP</b> East Timor (incl. Oe-Cussi)	<b>Tet</b> Teita Hills (KE)	<b>Trn</b> Ternate (ID)	<b>Uit</b> Ui-tas Mts. (Tk KG)	<b>Vv</b> Primorskii Kray, Vladivostok (RU)	<b>Yt</b> Yatung (CN Ti)
<b>TR</b> Turkey	<b>Tf</b> Tenerife (Cn ES)	<b>Tro</b> Trobriand Island (PG)	<b>Uk</b> Uralsk (KG)	<b>WAt</b> West Altai (KG)	<b>Yu</b> Yunnan (CN)
<b>TT</b> Trinidad & Tobago	<b>Tg</b> Tigray, Mekele, Aksum, Adwa (ET)	<b>Trs</b> Transsylvania (RO)	<b>Ul</b> Uljanovsk (So RU)	<b>WAu</b> Perth, West Australia (AU)	<b>Yuk</b> Yukon Territory (CA)
<b>TV</b> Tuvalu (Funafuti, Nanumanga, Nanomea, Nui, Nurakita, Nutao, Nukufetau, Nukulaelae, Vaitupu Is.)	<b>Tgl</b> Tagalang La (Ld Rup)	<b>Trt</b> Terektinski Mts. (At RU)	<b>Ule</b> Ulegei (MN)	<b>WF</b> Wallis & Futuna Is	<b>Yz</b> Yazd (IR)
<b>TW</b> Taiwan	<b>Tgn</b> Taganrog (Ro RU)	<b>Ts</b> Tsinghai, Qinghai, Amdo, Koko Noor (CN)	<b>Um</b> Urumtchi (Ui CN)	<b>WS</b> Samoa	<b>Z-G</b> Sarafchan, Ghissar (TJ UZ)
<b>TZ</b> Tanzania (Zanzibar, Pemba)	<b>Tgs</b> Tangula Shan (Ti CN)	<b>Tsk</b> Tersakan (TM)	<b>Una</b> Unai Pass (AF)	<b>WVi</b> West Virginia (US)	<b>ZA</b> Republic of South Africa
<b>Ta</b> Karshantau, Ugamskij, Psemsikij... (UZ)	<b>Th</b> Tehran (IR)	<b>Tsn</b> Tessin Alps (CH)	<b>Up</b> Uttar Pradesh (IN)	<b>Wa</b> Waziristan (PK)	<b>ZM</b> Zambia
<b>TaL</b> Ta-La (Ti CN)	<b>Thg</b> Thogdoragpa (Ti CN)	<b>Tss</b> Thasos (GR)	<b>Ur</b> Ural Mts. (RU)	<b>Wau</b> Wau (PG)	<b>ZR</b> Zaire
<b>Taa</b> Trento-Alto Adige, South Tirol (IT)	<b>Ti</b> Tibet Autonomous Region (CN)	<b>Tsu</b> Tsusima Is. (JP)	<b>Urg</b> Urgentsch (UZ)	<b>We</b> Wisconsin (US)	<b>ZW</b> Zimbabwe
<b>Tab</b> Tablas (PH)	<b>Tib</b> Tibu (Ti CN)	<b>Tt</b> Tatar Autonomous Rep., Kasan (RU)	<b>Urk</b> Urak (Bl PK)	<b>Wd</b> Woodlark (PG)	<b>Za</b> Zakyntos (GR)
<b>Tai</b> Taimyrski Awt.Okrug. (RU)	<b>Tic</b> Ticao (PH)	<b>Tta</b> Tarantscha (CN Ui)	<b>Us</b> Ussuri, Nicolajevsk, Khabarovsk Kray (RU)	<b>We</b> Walega, Welega, Gimbi, Nekemte, Bilo, Bako, Nejo (ET)	<b>Zag</b> Stara Zagora (BG)
	<b>Til</b> Tilos (GR Ae)	<b>Ttr</b> Tatra Mts.	<b>V-C</b> Viana de Castelo (Min PT)	<b>Wg</b> Waigeo (ID)	<b>Zah</b> Zahle (LB)
	<b>Tim</b> Timor (ID)	<b>Tu</b> Turaigyr Mts. (Tk KG)	<b>V-R</b> Vila Real (PT)	<b>Wit</b> Witu (PG)	<b>Zar</b> Zara (Ld)
	<b>Tj</b> Tschuja valley (KG)		<b>VAu</b> Victoria (AU)	<b>Wk</b> Wakhan (Bd AF)	<b>Zb</b> Zabadani (SY)
	<b>Tk</b> Taldy-Kurgan (KG)		<b>VE</b> Venezuela	<b>Wl</b> Welo (ET)	<b>Ze</b> Zelinograd (KG)
	<b>Tkb</b> Takab (IR)		<b>VG</b> British Virgin Islands (incl. Anegada, Jost van Dyke, Tortola & Virgin Gorda)	<b>Wls</b> Wales (GB)	<b>Zeb</b> Zebak valley (Bd AF)
				<b>Wn</b> Wien (AT)	<b>Zg</b> Zaragoza (Ag ES)
				<b>Ws</b> Washington (US)	<b>Zh</b> Zhob (Fort Sandeman) (Bl PK)
				<b>Wt</b> Wetar, Wetter (ID)	<b>Zi</b> Ziarat (Bl PK)
					<b>Zj</b> Znanjan (IR)

**Zm** *Zamora (C-L  
ES)*

**Zn** *Zanskar (Ch)*

**Zo** *Zoji-La, Zogila  
Pass (Ch)*

**Zq** *Zarqa (JO)*

**Zr** *Zermatt (CH Va)*

**Öt** *Ötztal Alps (AT  
Trl)*

**Qoʻshimcha – II. Fauna rayonlari élimintlarining tizimligi va ularning kotlari** (Bu kotlar CESAning bundin keyingi tetqiqatlarida qollinilidu)

Codes	Elements of the faunal regions
1	Holarctic element
11	Holarctic Arctic element
111	Circumpolar element
111 1	Euarctic element
111 2	Arctic-Boreal element
111 3	Arctic-Alpine element
112	American-Arctic element
112 1	Euarctic element
112 2	Arctic-Boreal element
113	Arctic-Eurasian element
113 1	Arctic-Boreal-Alpine element
113 1a	Arctic-east Palaearctic element
113 1b	Arctic-west Palaearctic element
12	Holarctic Boreal element
121	Holarctic-Boreal element
121 1	Holarctic-Boreal Transcontinental element
121 2	Holarctic-Boreal East-Palaearctic element
122	Palaearctic-Boreal element
122 1	Palaearctic-Boreal Transcontinental element
122 2	Palaearctic-Boreal West-mid-Palaearctic element
122 3	Palaearctic-Boreal East-mid-Palaearctic element
122 4	Palaearctic-Boreal East-Palaearctic element
13	Holarctic Temperate-submeridional element
131	Holarctic-temperate element
131 1	Holarctic-temperate Transcontinental element
131 1a	Holarctic-temperate Transcontinental Temperate-Boreal element
131 1b	Holarctic-temperate Transcontinental Temperate-Meridional element
131 2a	Holarctic-temperate West-mid-Palaearctic European-west-Siberian element
131 2b	Holarctic-temperate West-mid-Palaearctic Central-Siberian element
131 3	East Palaearctic element
132	Temperate-Palaearctic element
132 1	Temperate-Palaearctic Transcontinental element
132 11	Temperate-Palaearctic Transpalaearctic element
132 11a	Temperate-Palaearctic Temperate-suboceanic-oceanic element
132 11b	Temperate-Palaearctic Temperate subcontinental-continental element
132 11c	Temperate-Palaearctic Submeridional-suboceanic element
132 11d	Temperate-Palaearctic Submeridional-subcontinental element
132 12	European-Manchurian element
132 12a	European-Manchurian Temperate-suboceanic element
132 12b	European-Manchurian Temperate-subcontinental element
132 12c	European-Manchurian Submeridional-subcontinental element
132 2	West Palaearctic element
132 21	European-Altai-Turano element
132 21a	European-Altai element
132 21b	European-Turano element
132 22	European element
132 22a	European-west Siberian element
132 22b	West-European element
132 22c	European-montane forest element
132 22d	European alpine element
132 23	Submediterranean element
132 23a	South-European-submeridional element
132 23b	South-European-high mountain element
132 23c	Pontic element
132 24	South-Siberian element
132 24a	Altai-Sajan element
132 24b	Uralo-Khinganian element
132 24c	Altai-Turano-Tibetan element
132 24d	Altai-Caucasian element
132 3	East Palaearctic element
132 31	Pacific-east-European element
132 31a	Pacific-Ural element
132 31b	Amurian-Ural element
132 32	Amuro-Altai element
132 32a	Amuro-Altai element

132 32b	Japanese-Altai element
132 32c	Khinganian element
132 33	Amurian element
132 33a	Amuro-north Chinese element
132 33b	Amuro-Korean element
132 34	Manchurian-Japanese element
132 34a	Manchurian-Korean-Japanese element
132 34b	Ussuri-Japanese element
132 34c	Sakhalin element
132 35	Sino-Pacific element
132 35a	Sino-Japanese element
132 35b	Szechuan-Manchurian element
132 35c	Korean element
132 35d	Japanese element
14	Holarctic Meridional element
141	Holarctic Meridional element
141 1	Holarctic Meridional Transcontinental mountainous element
141 2	Holarctic Meridional Central-Asiatic mountainous element
142	Palaeartic Meridional element
142 1	Palaeartic Meridional Transcontinental element
142 11	Palaeartic Meridional Transpalaeartic element
142 12	Palaeartic Meridional Mediterranean-Japanese element
142 2	Palaeartic Meridional West Palaeartic element
142 21	Palaeartic Meridional West Palaeartic Mediterranean-West Tibetan element
142 22	Palaeartic Meridional West Palaeartic North Mediterranean element
142 22a	Palaeartic Meridional West Palaeartic North Mediterranean Circummediterranean element
142 22b	Palaeartic Meridional West Palaeartic North Mediterranean Iberian-Tyrrhenian element
142 22c	Palaeartic Meridional West Palaeartic North Mediterranean Aegean element
142 23	Palaeartic Meridional West Palaeartic North African element
142 23a	Palaeartic Meridional West Palaeartic All North African element
142 23b	Palaeartic Meridional West Palaeartic North African Mauritanian element
142 23c	Palaeartic Meridional West Palaeartic North African Macaronesian element
142 24	Palaeartic Meridional West Palaeartic West Asiatic element
142 24a	Palaeartic Meridional West Palaeartic All West Asiatic element
142 24b	Palaeartic Meridional West Palaeartic West Asiatic Anatolian element
142 24c	Palaeartic Meridional West Palaeartic West Asiatic Tauro-Iranian element
142 24d	Palaeartic Meridional West Palaeartic West Asiatic Tauro-Lebano-Cyprian element
142 24e	Palaeartic Meridional West Palaeartic West Asiatic Armeno-Caucasian element
142 24f	Palaeartic Meridional West Palaeartic West Asiatic Iranian element
142 24g	Palaeartic Meridional West Palaeartic West Asiatic Egypto-Syrian element
142 3	Palaeartic Meridional Central Asiatic element
142 31	Palaeartic Meridional All Central Asiatic element
142 32	Palaeartic Meridional Central Asiatic Aralo-Caspian element
142 33	Palaeartic Meridional Central Asiatic Turanian element
142 34	Palaeartic Meridional Central Asiatic Afghanian element
142 35	Palaeartic Meridional Central Asiatic Kashgarian-North Tibetan element
142 4	Palaeartic Meridional East Palaeartic element
142 41	Palaeartic Meridional East Palaeartic Pacific-Central Asiatic element
142 42	Palaeartic Meridional East Palaeartic Tibetan element
142 43	Palaeartic Meridional East Palaeartic East Tibetan-Szechuanian element
2	Holarctic-Tropical element
21	Holarctic-Palaeotropical element
211	Holarctic-Tropical Transpalaeartic-Palaeotropical element
211 1	Cosmopolitan element
211 2	Holarctic-Oriental element
212	American-European-Palaeotropical element
212 1	Nearctic-European element
22	Palaeartic-Palaeotropical element
221	Palaeartic-Palaeotropical Palaeartic-Oriental-Ethiopian element
221 1	Palaeartic-Palaeotropical Transpalaeartic-Palaeotropical element
221 2	Palaeartic-Palaeotropical West Palaeartic-Palaeotropical element
221 3	Palaeartic-Palaeotropical East Palaeartic-Palaeotropical element
222	Palaeartic-Oriental element
222 1	Palaeartic-Oriental Transpalaeartic-Oriental element
222 2	Palaeartic-Oriental Central Asiatic-Oriental element
222 3	Palaeartic-Oriental East-Palaeartic-Oriental element
222 4	Palaeartic-Oriental East-Palaeartic-Oriental-Australic element
223	Palaeartic-Ethiopian element
223 1	Palaeartic-Ethiopian Mediterranean-Arabic-Sudanese element
223 2	Palaeartic-Ethiopian Saharo-Arabic element

3	Tropical element
311	Macaronesian-Neotropical element
321	Palaeotropical Oriental-Ethiopian element
322	Palaeotropical Oriental element
322 1	Palaeotropical All Oriental element
322 2	Palaeotropical Indian element
322 3	Palaeotropical Indo-Malesian element
322 31	Palaeotropical Indo-Malesian Fijian element
322 31a	Palaeotropical Indo-Malesian Fijian Fiji element
322 31b	Palaeotropical Indo-Malesian Fijian New Hebrid element
322 32	Palaeotropical Indo-Malesian Malesian element
322 321	Palaeotropical Indo-Malesian Malesian Papuan element
322 321a	Palaeotropical Indo-Malesian Malesian Papuan Celebes element
322 321b	Palaeotropical Indo-Malesian Malesian Papuan Moluccan element
322 321c	Palaeotropical Indo-Malesian Malesian Papuan New Guinean element
322 321d	Palaeotropical Indo-Malesian Malesian Papuan Bismarck element
322 322	Palaeotropical Indo-Malesian Malesian Malesian element
322 3221	Palaeotropical Indo-Malesian Malesian Malesian Neomalayan element
322 3221a	Palaeotropical Indo-Malesian Malesian Malesian Neomalayan South Malesian element
322 3221b	Palaeotropical Indo-Malesian Malesian Malesian Neomalayan Sumatran element
322 3221c	Palaeotropical Indo-Malesian Malesian Malesian Neomalayan Bornean element
322 3222	Palaeotropical Indo-Malesian Malesian Malesian Neomalayan Java element
322 3223	Palaeotropical Indo-Malesian Malesian Malesian Paramalayan element
322 3224	Palaeotropical Indo-Malesian Malesian Malesian Malayan element
322 3225	Palaeotropical Indo-Malesian Malesian Malesian Philippines element
322 3225a	Palaeotropical Indo-Malesian Malesian Malesian Philippines West Visayan element
322 3225b	Palaeotropical Indo-Malesian Malesian Malesian Philippines East Visayan element
322 3225c	Palaeotropical Indo-Malesian Malesian Malesian Philippines Mindoro element
322 3225d	Palaeotropical Indo-Malesian Malesian Malesian Philippines Palawan element
322 3225e	Palaeotropical Indo-Malesian Malesian Malesian Philippines Mindanao element
322 3225f	Palaeotropical Indo-Malesian Malesian Malesian Philippines Sulu element
322 3226	Palaeotropical Indo-Malesian Malesian Malesian Philippines-Taiwan element
322 3227	Palaeotropical Indo-Malesian Malesian Malesian Philippines-Celebes element
322 3228	Palaeotropical Indo-Malesian Malesian Malesian Philippines-Bornean element
322 3229	Palaeotropical Indo-Malesian Malesian Malesian Taiwan element
322 4	Palaeotropical Indo-chinese-Malesian element
323	Palaeotropical Ethiopian element
323 1	Palaeotropical All Ethiopian element
323 2	Palaeotropical Ethiopian Sylvan element
323 21	Palaeotropical Ethiopian Sylvan Lowland forest element
323 21a	Palaeotropical Ethiopian Sylvan Lowland forest Western zone element
323 21b	Palaeotropical Ethiopian Sylvan Lowland forest Central zone element
323 21c	Palaeotropical Ethiopian Sylvan Lowland forest Zaire zone element
323 21d	Palaeotropical Ethiopian Sylvan Lowland forest Uganda zone element
323 21e	Palaeotropical Ethiopian Sylvan Lowland forest Coastal zone element
323 22	Palaeotropical Ethiopian Sylvan Highland forest zone element
323 22a	Palaeotropical Ethiopian Sylvan Highland forest Cameroon zone element
323 22b	Palaeotropical Ethiopian Sylvan Highland forest Kivu-Ruwenzori zone element
323 22c	Palaeotropical Ethiopian Sylvan Highland forest Ethiopia zone element
323 22d	Palaeotropical Ethiopian Sylvan Highland forest Kenya zone element
323 22e	Palaeotropical Ethiopian Sylvan Highland forest Malawi-Nyasa zone element
323 22f	Palaeotropical Ethiopian Sylvan Highland forest Angola zone element
323 22g	Palaeotropical Ethiopian Sylvan Highland forest South Africa zone element
323 3	Palaeotropical Ethiopian Open formation element
323 31	Palaeotropical Ethiopian Open formation Northern element
323 31a	Palaeotropical Ethiopian Open formation Northern Sudan zone element
323 31b	Palaeotropical Ethiopian Open formation Northern Somalia zone element
323 31c	Palaeotropical Ethiopian Open formation Northern Arabia zone element
323 32	Palaeotropical Ethiopian Open formation Southern element
323 32a	Palaeotropical Ethiopian Open formation Southern Eastern zone element
323 32b	Palaeotropical Ethiopian Open formation Southern Zambesi zone element
323 32c	Palaeotropical Ethiopian Open formation Southern Kalahari zone element
323 33	Palaeotropical Ethiopian Cape element
323 33a	Palaeotropical Ethiopian Cape zone element
323 33b	Palaeotropical Ethiopian Cape Karroo zone element
323 33c	Palaeotropical Ethiopian Cape grassland zone element
323 33d	Palaeotropical Ethiopian Cape Namib zone element
323 34	Palaeotropical Ethiopian Madagascar element
323 34a	Palaeotropical Ethiopian Madagascar zone element
323 34b	Palaeotropical Ethiopian Madagascar Comoros zone element

323 34c	Palaeotropical Ethiopian Madagascar Mascarene zone element
323 34d	Palaeotropical Ethiopian Madagascar Seychelles zone element
324	Palaeotropical Oriental-Australian element
325	Palaeotropical Ethiopian-Oriental-Australian element

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**Minnettarlik Xeti:** Qazaqstan k pinekliri  stide  lip bar an ilmi tek ur   ve tetqiqatlırimiz ceryanida bizni qollap quvvetligen ve y qindin y demde bol an Alma-Ata Zoologiy  Enistituti D rictori h rmetlik Prof. Dr. A. B. B konov bilen Dr. Muxtar Kh. Bayzanov, Dr. V.L. Kazenas ve Dr. A.B. Zhdanko ve Alma-Ata Botanik Ba  isi D rictor y dem isi Dr. T. Savur Yusupovi  ge semimi minnetdarlı ımızni bild rimiz. Bu tetqiqat   ilrimizda Qazaqstan Alma-Ata Zoologiy  Enistituti bilen orta  tetqiqat  lip b ri imiz ve munasivet qur ımız  a hemde T rkistan   hridiki tek ur     ilrimizda y dem qıl an Xoca Ahmet Yesevi Helqaralı  T rk-Qazak Univirsititi K nge  palatasının Ba lı ı h rmetlik Dr. Uygur Taz bay ependimge  in y rigimizdin rehmet  ytimiz.  undaqla, Qazaqstandiki ilmi tek ur   faaliyetlırimiz ceryanida bizni her zaman qiz in k tival an, tercimanlı , evri  ke topla    ilrimizda p t n ailisi bilen y dımını ayımı an ve mihman kıl an Alma-Atadiki Utu  Srailov, Hanımı Mahınur Srailova, qızı Nigara, o lı İldar hemde  emi  emer İmincanova ve o lı Ehtem; Ablet Kamalov; Qordaydiki Mithet Kamalov ailisige;   lek rayonidiki  amil Kamalov ailisige;   lcidin Alma-Ata a bizge y dem qılı     n kelgen Hedem Hemide, yoldı ı Hesencan Mamut hemde o ullrı  eyret ve Elzat qatarlı  barlı  Uy urlar  a  ongqur rehmitimiz ve minnetdarlı ımızni bild rimiz.

# Lepidoptera Coğrapiyesi Üstide tetqiqatlar

## 3. İraq Képinekliri Üstide Zoocoğrapiyelik Hatiriler

(*Lepidoptera, Papilionoidea, Hesperioidea*)

Ahmet Ö.Koçak Muhabbet Kemal

**Abstract:** Studies on the Geography of the Lepidoptera 3. Zoogeographical Remarks on the Butterflies of Iraq (*Lepidoptera, Papilionoidea, Hesperioidea*) [in Uighur language, with English abstract and Chinese and Turkish summaries]. *Priamus* 10 (3/4): 164-173.

This paper deals with the check-list of Iraqi butterflies. Number of the species recorded in Iraq are as follows; *Papilionidae* (7), *Pieridae* (20), *Coliadidae* (5), *Libytheidae* (1), *Danaidae* (1), *Argynnidae* (22), *Satyridae* (25), *Lycaenidae* (42), *Hesperiidae* (22). The full list of 145 species are given with the information of original references and the codes of the elements, which belong to the special faunal regions. Butterflies as faunal elements are evaluated quantitatively. Totally 145 species of butterflies inhabiting in Iraq are the elements of the 37 faunal regions of the Holarctic and Palaeotropical Realms. In other words, The butterfly fauna of Iraq is composed of the elements of the 37 different faunal regions. A faunal comparison between Iraqi and Kazach butterflies is also given.

**Key words:** *Papilionoidea Hesperioidea Lepidoptera* butterflies faunal element zoogeography Iraq Kazakhstan.

要点：

这篇短文在属于伊拉克的 *Papilionoidea* 和 *Hesperioidea* 科的种类给表格清单。在伊拉克蝴蝶中确定的种类占有各科的数词是这样：*Papilionidae* (7), *Pieridae* (20), *Coliadidae* (5), *Libytheidae* (1), *Danaidae* (1), *Argynnidae* (22), *Satyridae* (25), *Lycaenidae* (42), *Hesperiidae* (22). 综合 145 种类在这短文给原稿是代表一定地区所有动物要素的代码和一起写了。要素代码作者在以前写地短文上提到的。

**Özet:** *Lepidoptera Coğrafyası Üzerine Araştırmalar 3. Irak Kelebekleri Üzerine Zoocoğrafik Görüşler (Lepidoptera, Papilionoidea, Hesperioidea):* Bu makalede Irak keleklerinin bir kontrol listesi verilmektedir. Irak'ta bugüne kadar tespit edilen tür sayıları familyalara göre şöyledir: *Papilionidae* (7), *Pieridae* (20), *Coliadidae* (5), *Libytheidae* (1), *Danaidae* (1), *Argynnidae* (22), *Satyridae* (25), *Lycaenidae* (42), *Hesperiidae* (22). Listedeki toplam 145 türe, orjinal referanslar ve zoocoğrafik elementlerin kodları ilave edilmiştir. Fauna elementleri olarak Irak kelekleri sayısal açıdan da değerlendirilmiştir. Irak kelek faunasını oluşturan elementlerin Holarktik ve Paleotropikal alemlere dahil olan toplam 37 fauna bölgesinin temsilcisi olduğu tespit edilmiştir. Makalede ayrıca Irak ve Kazakistan kelek faunaları arasında bir karşılaştırma da yapılmıştır.

Bu maqalide İraqtaki *Papilionoidea* ve *Hesperioidea* üstailisige mensup türler tizimlik şeklde sunulğan bolup, İraqta éniqlap çiqılğan képinek türlerinin herqaysi aililerde égelligen sani mundaq: *Papilionidae* (7), *Pieridae* (20), *Coliadidae* (5), *Libytheidae* (1), *Danaidae* (1), *Argynnidae* (22), *Satyridae* (25), *Riodinidae* (1), *Lycaenidae* (42), *Hesperiidae* (22). Toplam 145 tür bu maqalida orginal référansliri, belli bir fauna rayoniğa vekillik qilidiğan élimintlarning sémvolliri bilen birlikte bérildi. Elimint sémvolliri yazğuçılarning bunungdin avalqi maqaliside sunulğan idi.<sup>20</sup>

<sup>20</sup> Koçak,A.Ö. & M.Kemal,2001, Qazaqstan Képineklirining Zoocoğrapiyesi ve Taksonimiyesi Üstide Tetqiqatlar (*Lepidoptera, Papilionoidea, Hesperioidea*). *Priamus* 10 (3/4): 111-163.

## PAPILIONIDAE

### **Papilio (s.str.) alexanor Esper,[1800]**

*Papilio alexanor* Esper,[1800], *Die Schmett., Suppl. I*, 1: 89, Taf.110 fig.1 (nom. nov. pro *Papilio polydamas* De Prunner,1798) Type(s): "Nice en Provence" (ex De Prunner,1798: 69). Fauna rayonining eliminti (sémvoli): 132 21b

### **Papilio (s.str.) machaon Linnaeus,1758**

*Papilio machaon* Linnaeus,1758, *Syst. Nat. (Edn.10)* 1: 462. Type(s): Europe. Fauna rayonining eliminti (sémvoli): 131 1b

### **Princeps (s.str.) demoleus Linnaeus,1758**

*Papilio demoleus* Linnaeus,1758, *Syst. Nat. (Edn.10)* 1: 464. Type(s): Asia. Fauna rayonining eliminti (sémvoli): 324

### **Iphiclides podalirius (Linnaeus,1758)**

*Papilio podalirius* Linnaeus,1758, *Syst.Nat. (Ed.10)* 1:463,nota. Syntypes: *Europae austr. & Africae. Lectotype: Italy, Toscani* (ICZN,Op.263). Fauna rayonining eliminti (sémvoli): 132 21b

### **Zerynthia (Allancastris) deyrollei (Oberthür,1869)**

*Thais deyrollei* Oberthür,1869, *Pet. Nouv. Ent. (2)*:7. Syntypes: [Turquie]: *Alpes-Pontiques [Gümüphané]*. Fauna rayonining eliminti (sémvoli): 142 24b

### **Archon apollinaris (Staudinger,[1892])**

*Doritis apollinus* var. *apollinaris* Staudinger,[1892], *Dt. ent. Z., Iris* 4: 225. Syntypes: [Türkei]: *nordöstlichen Kleinasien: Goman Otti, 1500m.* Fauna rayonining eliminti (sémvoli): 142 24c

### **Parnassius (Driopa) mnemosyne (Linnaeus,1758)**

*Papilio mnemosyne* Linnaeus,1758, *Syst. Nat. (Edn.10)* 1: 465. Type(s): Finlandia. Fauna rayonining eliminti (sémvoli): 132 21b

## PIERIDAE

### **Aporia (s.str.) crataegi (Linnaeus,1758)**

*Papilio crataegi* Linnaeus,1758, *Syst. Nat. (Edn.10)* 1: 467. Type(s): [Europe]. Fauna rayonining eliminti (sémvoli): 131 1b

### **Leptidea duponcheli (Staudinger,1871)**

*Leucophasia doponcheli* Staudinger,1871, *Cat. Lepid. Eur. Faunengeb. (2)*: 5. Syntypes: [France]: *Gallia mer., Pedemont; [Turkey]: Bithynia, Pontus.* Fauna rayonining eliminti (sémvoli): 142 24a

### **Pieris (Artogeia) ergane (Geyer,[1828])**

*Papilio ergane* Geyer,[1828], [in] Hübner, *Samml. eur. Schmett. I: Taf. 184* figs. 904-907. Syntypes: [Croatia]: *Ragusa (Dubrovnik) (cf. Hemming, 1937, I:220).* Fauna rayonining eliminti (sémvoli): 142 24a

### **Pieris (Artogeia) krueperi Staudinger,1860**

*Pieris krueperi* Staudinger,1860, *Wien. ent. Monatschr. 4*: 19-20. Syntypes ♂♂: "Graecia": *Arkanania.* Fauna rayonining eliminti (sémvoli): 142 24a

### **Pieris (Artogeia) pseudorapae Verity,1908**

*Pieris napi* var. *pseudorapae* Verity,[1908], *Rhopalocera palaearctica*: 144, pl. 32, 33, figs. *Lectotype: [Lebanon]: Beyrouth (Bowden & Riley,1967).* Fauna rayonining eliminti (sémvoli): 142 24a

### **Pieris (Artogeia) rapae (Linnaeus,1758)**

*Papilio rapae* Linnaeus,1758, *Syst. Nat. (Edn.10)* 1: 468. Type(s): [Sweden (Verity,1947)]. Fauna rayonining eliminti (sémvoli): 131 1b

### **Pieris (s.str.) brassicae (Linnaeus,1758)**

*Papilio brassicae* Linnaeus,1758, *Syst. Nat. (Edn.10)* 1: 468. Type(s): [Europe]. Fauna rayonining eliminti (sémvoli): 142 21

### **Pontia callidice (Hübner,[1800])**

*Papilio callidice* Hübner,[1800], *Samml. eur. Schmett. I:63,pl.81, figs. 408,409.* Syntypes: *Schweizergebirge.* Fauna rayonining eliminti (sémvoli): 141 1

### **Pontia chloridice (Hübner,[1813])**

*Papilio chloridice* Hübner,[1813], *Samml. eur. Schmett. I: pl. 141, figs. 712-715.* Syntype(s): [Europe]. Fauna rayonining eliminti (sémvoli): 142 11

### **Pontia edusa (Fabricius,1777)**

*Papilio edusa* Fabricius,1777, *Genera Insectorum*: 255. Type(s): [Deutschland]: *Chilonii.* Fauna rayonining eliminti (sémvoli): 132 21b

### **Pontia glauconome Klug,1829**

*Pontia glauconome* Klug,1829, [in] Ehrenberg, *Symb. Phys. Ins. I: signature G, Pl.7* figs. 18,19. Type(s): *In Arabia deserta; [Egypt]: in monte Sinai.* Fauna rayonining eliminti (sémvoli): 321 1

### **Anaphaeis aurota (Fabricius,1793)**

*Papilio aurota* Fabricius,1793, *Ent. Syst. 3(1)*: 197. Type(s): *Coromandel.* Fauna rayonining eliminti (sémvoli): 321 1

### **Anthocharis cardamines (Linnaeus,1758)**

*Papilio cardamines* Linnaeus,1758, *Syst. Nat. (Edn.10)* 1: 468. Type(s): [Europe]. Fauna rayonining eliminti (sémvoli): 132 11b

### **Anthocharis damone Boisduval,1836**

*Anthocharis damone* Boisduval,1836, *Hist. nat. Ins. Sp. Gén. Lép. I: 564.* Type(s): [Italia]: *Sicile.* Fauna rayonining eliminti (sémvoli): 142 24a

### **Anthocharis gruneri Herrich-Schäffer,[1851]**

*Anthocharis gruneri* Herrich-Schäffer,[1851], *Syst. Bearb. Schmett. Eur.6: 20; ibid. I: pl.115, figs. 551-554 [uninominal].* Syntypes: ? *Creta [Kleinasien].* Fauna rayonining eliminti (sémvoli): 142 24a

### **Euchloe (Elphinstonia) penia (Freyer,[1852])**

*Pontia penia* Freyer, [1852], *Neuere Beitr. Schmett.* 6: 149-150, pl. 574, fig. 4. Fauna rayonining eliminti (sémvoli): 142 24a

**Euchloe (s.str.) ausonia (Hübner, [1804])**

*Papilio ausonia* Hübner, [1804], *Samml. eur. Schmett.* 1: pl. 113, Fauna rayonining eliminti (sémvoli): figs. 582-583; 64-65.

*Syntypes: Italien.* Fauna rayonining eliminti (sémvoli): 142 22a

**Euchloe (s.str.) belemia (Esper, [1800])**

*Papilio belemia* Esper, [1800], *Die Schmett. (Suppl.)* 1(1): 92, pl. 110, fig. 2. Fauna rayonining eliminti (sémvoli): 223 1

**Zegris eupheme (Esper, [1804])**

*Papilio eupheme* Esper, [1804], *Die Schmett. (Suppl.)* 1(1): 105, pl. 113, figs. 2, 3. *Syntypes: [Ukraine]: "Gegend Sewastopol in Taurien".* Fauna rayonining eliminti (sémvoli): 142 21

**Colotis fausta (Olivier, [1804])**

*Papilio fausta* Olivier, [1804], *Voyage dans l'empire Ottoman, l'Égypte et la Perse* 4: pl. 33, figs. 4a, b. *Type(s): La Cote de Syrie. [Lebanon: Beirut].* Fauna rayonining eliminti (sémvoli): 321 1

**COLIADIDAE**

**Catopsilia florella (Fabricius, 1775)**

*Papilio florella* Fabricius, 1775, *Syst. Ent.*: 479, nr. 159. *Syntypes: "Sierra Leon Africae" (BMNH, ZMC).* Fauna rayonining eliminti (sémvoli): 321 1

**Colias aurorina Herrich-Schäffer, [1850]**

*Colias aurorina* Herrich-Schäffer, [1850], *Syst. Bearb. Schmett. Eur.* 1: f. 453-456; *ibid.* 6: 22. *Syntypes: [Türkei]: Kleinasien [?Amasia].* Fauna rayonining eliminti (sémvoli): 142 24a

**Colias crocea (Fourcroy, 1785)**

*Papilio croceus* Fourcroy, 1785, *Entomologia Parisiensis*: 250. *Type(s): [France]: Paris.* Fauna rayonining eliminti (sémvoli): 142 22a

**Gonepteryx (s.str.) farinosa (Zeller, 1847)**

*Rhodocera farinosa* Zeller, 1847, *Isis* 1847(1): 5. *Type ♂: [Türkei]: Makri [=Fethiye].* Fauna rayonining eliminti (sémvoli): 142 24a

**Gonepteryx (s.str.) rhamni (Linnaeus, 1758)**

*Papilio rhamni* Linnaeus, 1758, *Syst. Nat. (Edn. 10)* 1: 470. *Syntypes: Europe, Africa.* Fauna rayonining eliminti (sémvoli): 132 11a

**LIBYTHEIDAE**

**Libythea celtis (Laicharting, 1782)**

*Papilio celtis* Laicharting, 1782, [in] *Fuessly, Arch Insektenesch.* (2) (4): Fauna rayonining eliminti (sémvoli): 1, pl. 8 figs. 1-3. Type(s): S. Tirol: Bolzano. Fauna rayonining eliminti (sémvoli): 142 12

**DANAIDAE**

**Danaus (Anosia) chrysippus (Linnaeus, 1758)**

*Papilio chrysippus* Linnaeus, 1758, *Syst. Nat. (Ed. 10)* 1: 471. *Syntypes: Aegypt, America.* Fauna rayonining eliminti (sémvoli): 211 1

**ARGYNNIDAE**

**Euapatura mirza Ebert, 1971**

*Euapatura mirza* Ebert, 1971, *Beitr. naturk. SüdwDtl.* 30(1): 66-69, figs. 1-4, Pl. 1, figs. 1-3. *Holotype ♂: Iran: Avaj, nordöstl. Hamadan.* Fauna rayonining eliminti (sémvoli): 142 24c

**Thaleropsis ionia (Eversmann, 1851)**

*Vanessa ionia* Eversmann, 1851, [in] *Fischer de Waldheim & Eversmann, Entomographia Imp. ross.* 5: 111, pl. 13, figs. 1, 2. *Lectotype ♂: [Türkei]: Amasia (Nekrutenko, 1995 [in] Hesselbarth et al., Die Tagfalter der Türkei: 970).* Fauna rayonining eliminti (sémvoli): 142 24a

**Limenitis reducta Staudinger, 1901**

*Limenitis camilla* var. *reducta* Staudinger, 1901, *Cat. Lepid. Palaearct. Faunengeb.* 3(1): 22, nr. 135a. *Syntypes: [Armenia]: Arm. or; [Iran]: Hyrc. Lectotype ♂: Azerbaidjan: Hankynda, designated by Wagener, 1995, Die Tagfalter der Türkei: 978. Azerbaid* Fauna rayonining eliminti (sémvoli): 132 23a

**Precis orithya (Linnaeus, 1758)**

*Papilio orithya* Linnaeus, 1758, *Syst. Nat. (Edn. 10)* 1: 473. *Type(s): India.* Fauna rayonining eliminti (sémvoli): 321 1

**Nymphalis polychloros (Linnaeus, 1758)**

*Papilio polychloros* Linnaeus, 1758, *Syst. Nat. (Edn. 10)* 1: 477. *Type(s): [Sweden (Verity, 1950)].* Fauna rayonining eliminti (sémvoli): 132 21b

**Aglais urticae (Linnaeus, 1758)**

*Papilio urticae* Linnaeus, 1758, *Syst. Nat. (Edn. 10)* 1: 477. *Type(s): [Sweden (Verity, 1950)].* Fauna rayonining eliminti (sémvoli): 132 11b

**Vanessa atalanta (Linnaeus, 1758)**

*Papilio atalanta* Linnaeus, 1758, *Syst. Nat. (Edn. 10)* 1: 478. *Type(s): [Sweden (Verity, 1950)].* Fauna rayonining eliminti (sémvoli): 142 21

**Cynthia cardui (Linnaeus, 1758)**

*Papilio cardui* Linnaeus, 1758, *Syst. Nat. (Edn. 10)* 1: 475. *Syntypes: Europa, Africa [Sweden (Verity, 1950)].* Fauna rayonining eliminti (sémvoli): 211 1

**Polygonia c-album (Linnaeus, 1758)**

*Papilio c-album* Linnaeus, 1758, *Syst. Nat. (Edn. 10)* 1: 477. *Type(s): [Sweden (Verity, 1950)].* Fauna rayonining eliminti (sémvoli): 131 1b

**Polygonia egea (Cramer, [1775])**

*Papilio egea* Cramer, [1775], *Uitl. Kapellen* 1: 124; Pl. 78 figs. C, D. *Syntypes: [Türkei]: [Istanbul]: Constantinopel; [İzmir]: Smyrna (nec Papilio egea Fabricius, 1775; cf. ICZN Art. 58, Opinion 516).* Fauna rayonining eliminti (sémvoli): 142 24a

**Argynnis (Fabriciana) niobe (Linnaeus, 1758)**

*Papilio niobe* Linnaeus, 1758, *Syst. Nat. (Edn. 10)* 1: 481. *Type(s): [Sweden (Verity, 1950)].* Fauna rayonining eliminti (sémvoli): 132 21b

**Argynnis (Pandoriana) pandora ([Denis & Schiffermüller],1775)**

*Papilio pandora* [Denis & Schiffermüller], 1775, *Ankündigung syst. Werkes Schmett. Wienergegend*: 176. Type(s): Austria: Vienna district. Fauna rayonining eliminti (sémvoli): 142 21

**Argynnis (s.str.) paphia (Linnaeus,1758)**

*Papilio paphia* Linnaeus, 1758, *Syst. Nat. (Edn.10) 1*: 481. Type(s): [Sweden (Verity,1950)]. Fauna rayonining eliminti (sémvoli): 132 11a

**Brenthis mofidii Wyatt,1968**

*Brenthis hecate ssp. mofidii* Wyatt, 1968, *Z. Wien. ent. Ges.* 53: 30, figs. Holotype ♂: Iran: Elbursgeb.: Darband, 2250m (in coll. Wyatt) Fauna rayonining eliminti (sémvoli): 142 24f

**Issoria lathonia (Linnaeus,1758)**

*Papilio lathonia* Linnaeus, 1758, *Syst. Nat. (Edn.10) 1*: 481. Type(s): [Sweden (Verity,1950)]. Fauna rayonining eliminti (sémvoli): 222 1

**Melitaea (phoebe) punica Oberthür,1876**

*Melitaea phoebe* var. *punica* Oberthür, 1876, *Etüd. Ent. 1*: 25. Syntypes: Algérie: Lambessa. Fauna rayonining eliminti (sémvoli): 142 23a

**Melitaea arduinna (Fabricius,1787)**

*Papilio arduinna* Fabricius, 1787, *Mant. Ins. 2*: 60, nr.577. Type(s): [Russia]: Russia australiori. Fauna rayonining eliminti (sémvoli): 142 31

**Melitaea cinxia (Linnaeus,1758)**

*Papilio cinxia* Linnaeus, 1758, *Syst. Nat. (Edn.10) 1*: 480. Type(s): [Sweden (Verity,1950)]. Fauna rayonining eliminti (sémvoli): 132 21b

**Melitaea collina Lederer,1861**

*Melitaea collina* Lederer, 1861, *Wien. ent. Monatschr. 5*: 148, pl.1 figs.4,5. Syntypes: [Türkei]: Antiochia [=Antakya]. Fauna rayonining eliminti (sémvoli): 142 24c

**Melitaea didyma (Esper,[1779])**

*Papilio didyma* Esper, [1779], *Die Schmett. 1*: 365. Type(s): [Germany]: Bavaria: Uffenheim. Fauna rayonining eliminti (sémvoli): 142 11

**Melitaea fascelis (Fabricius,1787)**

*Papilio fascelis* Fabricius, 1787, *Mant. Ins. 2*: 58-59, nr.570. Syntypes: [Russia]: Russia australiori. Fauna rayonining eliminti (sémvoli): 142 12

**Melitaea perseia Kollar,[1849]**

*Melitaea perseia* Kollar, [1849], *Denkschr. Akad. Wiss. Wien 1*: 52. Type(s): [Iran]: Persia [Shiraz]. Fauna rayonining eliminti (sémvoli): 142 24a

**SATYRIDAE**

**Melanargia hylata (Ménétries,1832)**

*Satyrus hylata* Ménétries, 1832, *Catalogue raisonné des objectes de Zool. recueillis Caucase...*:251. Type(s): [Aserbaidjan]: Talyche: Khanat. Fauna rayonining eliminti (sémvoli): 142 24e

**Hipparchia (Neohipparchia) fatua (Freyer,1844)**

*Papilio fatua* Freyer, 1844, *Neuere Beitr. Schmett. 5*:54. Lectotype ♂: [Türkei]: Kedos [Gediz] (Kudrna, 1977: 132). Fauna rayonining eliminti (sémvoli): 142 24a

**Hipparchia (Neohipparchia) parisatis (Kollar,[1849])**

*Satyrus parisatis* Kollar, [1849], *Denkschr. Akad. wiss. Wien 1*: 51. Lectotype ♂: [Iran]: Pers[ia]: Shiraz (Kudrna, 1977:143). Fauna rayonining eliminti (sémvoli): 142 24f

**Hipparchia (Parahipparchia) pellucida (Stauder,1924)**

*Satyrus semele ssp. pellucida* Stauder, 1924, *Mitt. münch. ent. Ges. 14(1/5)*: 64-65. Lectotype ♂: [Azerbaidjan]: Tarter [Mir-Baschir] (designated by Kudrna, 1977: 92) (in BMHN). Fauna rayonining eliminti (sémvoli): 142 24e

**Hipparchia (s.str.) syriaca (Staudinger,1871)**

*Satyrus hermione* var. *syriaca* Staudinger, 1871, *Cat. Lepid. Eur. Faunengeb. (2)*: 27. Lectotype ♂: [Lebanon]: Beirut (Kudrna, 1977:40). Fauna rayonining eliminti (sémvoli): 142 24a

**Brintesia circe (Fabricius,1775)**

*Papilio circe* Fabricius, 1775, *Sys. Ent.*: 495, nr.116. Syntypes: Europa. Fauna rayonining eliminti (sémvoli): 132 23a

**Chazara (Neochazara) anthe (Hoffmannsegg,1804)**

*Papilio anthe* Hoffmannsegg, 1804, *Mag. f. Insektenk. 5*: 182. Syntypes: [Russia]: Südrussland. Fauna rayonining eliminti (sémvoli): 142 24a

**Chazara (s.str.) briseis (Linnaeus,1764)**

*Papilio briseis* Linnaeus, 1764, *Museum Ludovicae Ulrica*: 276. Type(s): Germania. Fauna rayonining eliminti (sémvoli): 142 21

**Pseudochazara (Achazara) telephassa (Geyer,[1827])**

*Eumenis telephassa* Geyer, [1827], [in] Hübner, *Samml. exot. Schmett. 2: Taf.[85] figs. 1-4*. Type(s): unknown. Fauna rayonining eliminti (sémvoli): 142 24a

**Pseudochazara (s.str.) pelopea (Klug,1832)**

*Hipparchia pelopea* Klug, 1832, [in] Ehrenberg, *Symb. Phys. Ins. 3:pl.29, figs.5-8*. Syntypes: "Monte Libano Syriae prope Arissam". Fauna rayonining eliminti (sémvoli): 142 24c

**Satyrus favonius Staudinger,[1892]**

*Satyrus favonius* Staudinger, [1892], *Dt. ent. Z., Iris 4*: 239, pl.3 fig.1. Syntypes: [Türkei]: Malatia, Hadjin [=Saimbeyli], Eibes [=Akbes]. Fauna rayonining eliminti (sémvoli): 142 24c

**Satyrus pimpla Felder & Felder,[1867]**

*Satyrus pimpla* Felder & Felder, [1867], *Reise Fregatte "Novara", Lep. Rhop. (3)*: 494-495, Tab.lxix figs. 10,11. Syntypes ♀: Himalaya occidental.: Ladak: Chulichang. Fauna rayonining eliminti (sémvoli): 142 32

**Hyponephele (s.str. (Turaninephele)) wagneri (Herrich-Schäffer,[1846])**

*Epinephele wagneri* Herrich-Schäffer, [1846], *Syst. Bearb. Schmett. Eur. 1: Taf. 65, figs.311-313; ibid. 6, Nachtrag zu Bd.1: 16, [1851]*. Type(s): [Türkei]: Südseite Ararat (=Ađrý Dađý). Fauna rayonining eliminti (sémvoli): 142 24c

**Hyponephele (s.str.) lupina (Costa,[1836])**

*Satyrus lupinus* Costa,[1836], *Fauna Regno di Napoli*...:[69], [311], pl.4 figs.3,4. Syntypes: Italia: Napoli: Otranto, Bosco di Guagnano.. Fauna rayonining eliminti (sémvoli): 132 21b

**Hyponephele (s.str.) lycaon (Rottemburg,1775)**

*Papilio lycaon* Rottemburg,1775, *Naturforscher* 6: 17. Type(s): Deutschland: Brandenburg. Fauna rayonining eliminti (sémvoli): 132 11d

**Maniola jurtina (Linnaeus,1758)**

*Papilio jurtina* Linnaeus,1758, *Syst. Nat. (Edn.10)* 1: 475. Syntypes: Europa, Africa; [Sweden (Verity,1953)]. Fauna rayonining eliminti (sémvoli): 132 21a

**Maniola telmessia (Zeller,1847)**

*Hipparchia telmessia* Zeller,1847, *Isis* 1847: 4. Syntypes 2♂ 4♀: [Türkei]: Makri [Fethiye]: [Greece]: Rhodus. Lectotype ♂: Marmaris (designated by Olivier,1993) (in BMHN). Fauna rayonining eliminti (sémvoli): 142 24a

**Coenonympha pamphilus (Linnaeus,1758)**

*Papilio pamphilus* Linnaeus,1758, *Syst. Nat. (Edn.10)* 1: 472. Type(s): Suecia. Fauna rayonining eliminti (sémvoli): 132 2a

**Coenonympha saadi (Kollar,[1849])**

*Satyrus saadi* Kollar,[1849], *Denkschr. Akad. Wiss. Wien* 1850: 11. Type(s): [Iran]: Farsistan, Schiraz (NHMW). Fauna rayonining eliminti (sémvoli): 142 24c

**Esperarge clymene (Fabricius,1787)**

*Papilio clymene* Fabricius,1787, *Mant. Ins.* 2: 44, nr.434. Type(s): Russiae australioris sylvaticis. Fauna rayonining eliminti (sémvoli): 142 24a

**Kirinia roxelana (Cramer,[1777])**

*Papilio roxelana* Cramer,[1777], *Uitl. Kapellen* 2:101, pl.161, figs. C-F. Syntypes: [Türkei]:Constantinopel [=Istanbul], Smyrna [=Izmir]. Fauna rayonining eliminti (sémvoli): 142 24a

**Lasiommata megera (Linnaeus,1767)**

*Papilio megera* Linnaeus,1767, *Syst. Nat. (Edn.12)* 1(2): 771, nr.142. Fauna rayonining eliminti (sémvoli): 132 23a

**Lasiommata menava Moore,1865**

*Lasiommata menava* Moore,1865, *Proc. zool. Soc. Lond.* 56: 499, Pl.30 fig.3. Syntypes: [India]: Kunawur, Pang, Rarung (in BMHN). Fauna rayonining eliminti (sémvoli): 142 34

**Pararge aegeria (Linnaeus,1758)**

*Papilio aegeria* Linnaeus,1758, *Syst. Nat. (Edn.10)* 1: 473. Syntypes: Europa, Mauritania. Fauna rayonining eliminti (sémvoli): 132 22a

**Ypthima asterope (Klug,1832)**

*Hipparchia asterope* Klug,1832, [in] Ehrenberg, *Symb. Phys. Ins.* 3: pl.29 figs.11-14. Syntypes: Syrien, Arabien. Fauna rayonining eliminti (sémvoli): 321 1

**LYCAENIDAE**

**Quercusia quercus (Linnaeus,1758)**

*Papilio quercus* Linnaeus,1758, *Syst. Nat. (Edn.10)* 1: 482. Type(s): [England (Verity,1943)]. Fauna rayonining eliminti (sémvoli): 132 22a

**Callophrys rubi (Linnaeus,1758)**

*Papilio rubi* Linnaeus,1758, *Syst. Nat. (Edn.10)* 1: 483. Type(s): [Sweden (Verity,1943)]. Fauna rayonining eliminti (sémvoli): 132 11b

**Satyrrium (Nordmannia) abdominalis (Gerhard,[1850])**

*Thecla abdominalis* Gerhard,[1850], *Versuch Monogr. eur. Schmett.*: 4, Pl.4 figs.3a-c. Syntypes: [Aserbaidjan]: Elisabethpol [=Kirovabad]. Fauna rayonining eliminti (sémvoli): 142 24a

**Satyrrium (Nordmannia) ilicis (Esper,[1779])**

*Papilio ilicis* Esper,[1779], *Die Schmett.* 1(1):353; [1789], *ibid. (suppl.)*: 28 pl.98 figs.11,12. Syntypes: Deutschland: Erlangen. Fauna rayonining eliminti (sémvoli): 132 12b

**Satyrrium (Nordmannia) marcidum (Riley,1921)**

*Strymon marcidus* Riley,1921, *Ann. Mag. nat. Hist.* 8: 600. Type ♀: Iran: Kermanshah, Harir, Karind Gorge (in BMHN). Fauna rayonining eliminti (sémvoli): 142 24f

**Satyrrium (Strymonidia) spini (Fabricius,1787)**

*Papilio spini* Fabricius,1787, *Mant. Ins.* 2: 68. Syntypes: Germania. Fauna rayonining eliminti (sémvoli): 132 12c

**Cigaritis cilissa Lederer,1861**

*Cigaritis cilissa* Lederer,1861, *Wien. ent. Monatschr.* 5:147, pl.1 fig.1. Syntypes: [Türkei]: Mersin, Antiochia [=Antakya]. Fauna rayonining eliminti (sémvoli): 142 24c

**Cigaritis epargyros (Eversmann,1854)**

*Polyommatus epargyros* Eversmann,1854, *Bull. Soc. imp. Nat. Moscou* 27: 178-180, f.1,2. Syntypes: Südl. Kirghisensteppen, Aralsee, Sir-Darja. Fauna rayonining eliminti (sémvoli): 142 31

**Cigaritis maxima Staudinger,1901**

*Cigaritis cilissa* var. *maxima* Staudinger,1901, *Cat. Lepid. palaeart. Faunengeb.* 1: 76. Syntypes: [Türkei]: Malatia, Mardin. Fauna rayonining eliminti (sémvoli): 142 24c

**Tomares callimachus (Eversmann,1848)**

*Lycaena callimachus* Eversmann,1848, *Bull. Soc. Nat. Moscou* 21: 208. Fauna rayonining eliminti (sémvoli): 142 24a

**Heodes (Alciphronia) alciphron (Rottemburg,1775)**

*Papilio alciphron* Rottemburg,1775, *Naturforscher* 6: 11. Type(s): Deutschland: Berlin. Fauna rayonining eliminti (sémvoli): 132 21b

**Heodes (Loweia) tityrus (Poda,1761)**

*Papilio tityrus* Poda,1761, *Insecta Musei Graecensis*: 77. Type(s): [Austria]: Graz. Fauna rayonining eliminti (sémvoli): 132 21b

**Lycaena (s.str.) phlaeas (Linnaeus,1761)**

*Papilio phlaeas* Linnaeus,1761, *Fauna Suecica* (2): 285. Type(s): Sweden, Westermannia. Fauna rayonining eliminti (sémvoli): 221 1

**Thersamonia (s.str.) asabinus (Gerhard,[1850])**

*Polyommatus asabinus* Gerhard,[1850], *Versuch Monogr. eur. Schmett.*: 7, Taf.9 figs.3a-c. Type(s): [Türkei]: Amasya. Fauna rayonining eliminti (sémvoli): 142 24a

**Thersamonia (s.str.) kurdistanica (Riley,1921)**

*Heodes thersamon* ssp. *kurdistanica* Riley, 1921, *Ann. Mag. nat. Hist.* 8: 598. Syntypes: Iran: Harir, Karind Gorge and Kermanshah (BMNH). Fauna rayonining eliminti (sémvoli): 142 24f

**Thersamonia (s.str.) thetis (Klug, 1834)**

*Lycaena thetis* Klug, 1834, [in] Ehrenberg, *Symb. Phys. Ins.* 4: pl. 40 figs. 17, 18. Syntypes: Syria. Fauna rayonining eliminti (sémvoli): 142 24a

**Chilades (Freyeria) trochylus (Freyer, [1843])**

*Lycaena trochylus* Freyer, [1843], *Neuere Beitr. Schmett.* 5(74): 98-99, Taf. 440 fig. 1. Syntypes: europäische Türkei. Fauna rayonining eliminti (sémvoli): 321 1

**Chilades (Lachides) galba (Lederer, 1855)**

*Lycaena galba* Lederer, 1855, *Verh. zool.-bot. Ver. Wien* 5: 190, pl. 1 fig. 4. Syntypes: [Libanon]: Beirut. Fauna rayonining eliminti (sémvoli): 223 2

**Lampides boeticus (Linnaeus, 1767)**

*Papilio boeticus* Linnaeus, 1767, *Syst. Nat. (Edn. 12)* 1(2): 789. Type(s): Barbaria [Algeria]. Fauna rayonining eliminti (sémvoli): 221 1

**Tarucus balkanicus (Freyer, [1843])**

*Lycaena balkanica* Freyer, [1843], *Neuere Beitr. Schmett.* 5(71): 63, Taf. 421 figs. 1, 2. Type(s): Türkei. Fauna rayonining eliminti (sémvoli): 221 2

**Tarucus rosaceus (Austaut, 1885)**

*Lycaena theophrastus* var. *rosacea* Austaut, 1885, *Naturaliste* 7 (18): 141. Syntypes: Alderia: entre El-Arricha et le Maroc. Fauna rayonining eliminti (sémvoli): 142 23a

**Zizeeria karsandra (Moore, 1865)**

*Polyommatus karsandra* Moore, 1865, *Proc. zool. Soc. London* 35: 505, pl. 31, fig. 7. Type: [India]: NW India: from Oudh to the Punjab. Fauna rayonining eliminti (sémvoli): 222 1

**Celastrina argiolus (Linnaeus, 1758)**

*Papilio argiolus* Linnaeus, 1758, *Syst. Nat. (Edn. 10)* 1: 483. Type ♀: Europa (Linnean coll. London) [gen. vern.]. Fauna rayonining eliminti (sémvoli): 211 2

**Glaucopsyche (s.str.) aeruginosa (Staudinger, 1881)**

*Lycaena cyllarus* var. *aeruginosa* Staudinger, 1881, *Stettin ent. Ztg.* 42: 285-286. Type ♂: Ala-Tau (cf. Hanus et al., 1997). Fauna rayonining eliminti (sémvoli): 142 31

**Pseudophilotes vicrama (Moore, 1865)**

*Polyommatus vicrama* Moore, 1865, *Proc. zool. Soc. London* 35: 505, pl. 31, fig. 6. Syntypes: Tibet: Shipkee; [India]: Middle Kunawur: Cheeni. Fauna rayonining eliminti (sémvoli): 142 21

**Turanana endymion (Freyer, [1850])**

*Lycaena endymion* Freyer, [1850], *Neuere Beitr.* 6: 145, Taf. 572 figs. 2, 3. Syntypes: Türkei: Amasia. Fauna rayonining eliminti (sémvoli): 142 24a

**Plebejus (Kretania) iranicus (Forster, 1938)**

*Lycaena (Plebeius) eurypilus* ssp. *iranica* Forster, 1938, *Ent. Rdsch.* 55: 216-217, figs. Holotype ♂: [Iran]: Persia sept., Elburs m. sept. Tacht i Suleiman, Vandarban-Tal 1900-2200m (ZSSM). Fauna rayonining eliminti (sémvoli): 142 24f

**Plebejus (Plebejides) zephyrinus (Christoph, 1884)**

*Lycaena zephyrus* var. *zephyrinus* Christoph, 1884, [in] Romanoff, *Mém. Lépid.* 1: 102. Syntypes: [Turkmenistan]: Askhabad. Fauna rayonining eliminti (sémvoli): 142 31

**Polyommatus (Albulina (Plebejidea)) loewii (Zeller, 1847)**

*Lycaena loewii* Zeller, 1847, *Isis* 1847: 9-10. Syntypes ♂♀: [Türkei]: Makri [Fethiye]. Fauna rayonining eliminti (sémvoli): 142 24a

**Polyommatus (Albulina (Vacciniina)) alcedo (Christoph, 1877)**

*Lycaena alcedo* Christoph, 1877, *Horae Soc. ent. ross.* 12: 233, pl. 5 figs. 3, 4. Syntypes: [Iran]: Schahkuh, Schahrud. Lectotype ♀: [Iran]: Shahkuh (designated by Balint, 1999, *Neue ent. Nachr.* 46: 9) (BMNH). Fauna rayonining eliminti (sémvoli): 142 24f

**Polyommatus (Aricia (Ultraaricia)) crassipunctus (Christoph, 1893)**

*Lycaena anteros* var. *crassipuncta* Christoph, 1893, *Dt. ent. Z., Iris* 6: 86. Type(s): Armenia rossicae [Türkei]: [Kars Pr.]: Kasikoparan. Fauna rayonining eliminti (sémvoli): 142 24c

**Polyommatus (Aricia (s.str.)) agestis ([Denis & Schiffermüller], 1775)**

*Papilio agestis* [Denis & Schiff.], 1775, *Ankündigung syst. Werkes Schmett, Wienergegend*: 184. Type(s): [Austria]: Vienna district. Fauna rayonining eliminti (sémvoli): 132 21b

**Polyommatus (s.str. (Admetusia)) alcestis (Zerny, 1932)**

*Lycaena (Hirsutina) ripperti* ssp. *alcestis* Zerny, 1932, *Dt. ent. Z., Iris* 46: 186-187. Syntypes: Lebanon: Bscharre, 1400-1900m. Lectotype ♂: Liban: Cedern b. Becharré, 1900m (designated by Balint, 1999, *Neue ent. Nachr.* 46: 9) (BMNH). Fauna rayonining eliminti (sémvoli): 142 24d

**Polyommatus (s.str. (Admetusia)) mithridates (Staudinger, 1878)**

*Lycaena mithridates* Staudinger, 1878, *Horae Soc. ent. ross.* 14: 247-248. Syntypes 3♂: [Türkei]: Amasia. Fauna rayonining eliminti (sémvoli): 142 24e

**Polyommatus (s.str. (Admetusia)) phyllis (Christoph, 1877)**

*Lycaena damon* var. *phyllis* Christoph, 1877, *Horae Soc. ent. ross.* 12: 237-238, Taf. v fig. 9, 10. Lectotype ♂: [Iran]: Elburs]: "bei Schahkuh", designated by Eckweiler & Ten Hagen, 1998, *Nachr. ent. Ver. Apollo* 19 (2): 113 (MNHU). Fauna rayonining eliminti (sémvoli): 142 33

**Polyommatus (s.str. (Agrodiaetus)) elbursicus (Forster, 1956)**

*Agrodiaetus transcaspica* ssp. *elbursica* Forster, 1956, *Z. Wien. ent. Ges.* 41: 74-76, figs. Holotype ♂: [Iran]: Persia sept., Elburs mts. c., Kendevar-Paß, 2800-3000m. Fauna rayonining eliminti (sémvoli): 142 24c

**Polyommatus (s.str. (Agrodiaetus)) wagneri (Forster, 1956)**

*Agrodiaetus damone* ssp. *wagneri* Forster, 1956, *Z. Wien. ent. Ges.* 41: 55. Holotype ♂: [Türkei]: Anatolien: Akshehir. Fauna rayonining eliminti (sémvoli): 142 24b

**Polyommatus (s.str. (Lysandra)) bellargus (Rottentburg,1775)**

*Papilio bellargus* Rottentburg, 1775, *Naturforscher* 6: 25. Type(s): Deutschland. [Fauna rayonining eliminti \(sémvoli\)](#): 132 23a

**Polyommatus (s.str. (Meleageria)) daphnis ([Denis & Schiffermüller],1775)**

*Papilio daphnis* [Denis & Schiff.], 1775, *Ankündigung syst. Werkes Schmett. Wienergegend*: 182. Type(s): [Austria]: Vienna district. [Fauna rayonining eliminti \(sémvoli\)](#): 132 23c

**Polyommatus (s.str. (Neolysandra)) coelestinus (Eversmann,1843)**

*Lycaena coelestina* Eversmann, 1843, *Bull. Soc. imp. Nat. Moscou* 16 (3): 535. Syntypes: Russia: südlichen Ural. [Fauna rayonining eliminti \(sémvoli\)](#): 132 23c

**Polyommatus (s.str. (Plebicula)) amandus (Schneider,1792)**

*Papilio amandus* Schneider, 1792, *Neuestes Mag.* 4: 428. Type(s): Sweden. [Fauna rayonining eliminti \(sémvoli\)](#): 132 11b

**Polyommatus (s.str.) icarus (Rottentburg,1775)**

*Papilio icarus* Rottentburg, 1775, *Naturforscher* 6: 21. Type(s): Saxonia. [Fauna rayonining eliminti \(sémvoli\)](#): 132 11b

**HESPERIIDAE**

**Carcharodus (Reverdinus) orientalis Reverdin,1913**

*Carcharodus orientalis* Reverdin, 1913, *Bull. Soc. lépid. Genève* 2 (4): 232, Pl. 21 fig. 14; Pl. 22 figs. 1, 8. Syntypes: Greece: Peloponnes (MHNG). [Fauna rayonining eliminti \(sémvoli\)](#): 132 21b

**Carcharodus (s.str.) alceae (Esper,[1780])**

*Papilio alceae* Esper, [1780], *Die Schmett.* 1(2): 4, pl. 51, fig. 1. Type(s): Süddeutschland: Erlangen. [Fauna rayonining eliminti \(sémvoli\)](#): 132 21b

**Erynnis marloyi (Boisduval,[1834])**

*Thanaos marloyi* Boisduval, [1834], *Icon. hist. Lépid. Europe* 1: 241, pl. 47 figs. 6, 7. Syntypes: Greece. [Fauna rayonining eliminti \(sémvoli\)](#): 142 24a

**Erynnis tages (Linnaeus,1758)**

*Papilio tages* Linnaeus, 1758, *Syst. Nat. (Edn.10)* 1: 485. Type(s): Europa. [Fauna rayonining eliminti \(sémvoli\)](#): 132 11d

**Muschampia poggei (Lederer,1858)**

*Hesperia poggei* Lederer, 1858, *Wien. ent. Monatschr.* 2: 141. Syntypes ♂♀: Syrien: "auf den Bergen um Damask". [Fauna rayonining eliminti \(sémvoli\)](#): 142 24c

**Muschampia proteides (Wagner,1929)**

*Hesperia proto ssp. proteides* Wagner, 1929, *Mitt. münch. ent. Ges. Taf. 2* fig. 26 Type ♂: [Türkei]: Akschehir [15 Febr. 1929]. [Fauna rayonining eliminti \(sémvoli\)](#): 132 23c

**Muschampia tersa Evans,1949**

*Muschampia tessellum ssp. tersa* Evans, 1949, *Catalogue Hesperiidae Eur. Asia Austr. Br. Mus.*: 181. Syntypes 1♂ Iraq Kurdistan; [Iran] Persia (Ordubad) [Azerbaidjan], Fars). [Fauna rayonining eliminti \(sémvoli\)](#): 142 24e

**Pyrgus armoricanus (Oberthür,1910)**

*Syrictus alveus f. armoricanus* Oberthür, 1910, *Etüd. Lépid. comp.* 4: 411, pl. 57 figs. 509-517. Syntypes: France: Environs de Rennes. [Fauna rayonining eliminti \(sémvoli\)](#): 142 21

**Pyrgus serratulae (Rambur,[1839])**

*Hesperia serratulae* Rambur, [1839], *Faune ent. Andalousie* 2 (4): 318, Pl. 8, figs. 9, m. Type(s): Andalousie (BMNH). [Fauna rayonining eliminti \(sémvoli\)](#): 132 21b

**Spialia (Neospialia) orbifer (Hübner,[1823])**

*Papilio orbifer* Hübner, [1823], *Samml. eur. Schmett.* 1: pl. 161 figs. 803-806. Syntypes: Europa. [Fauna rayonining eliminti \(sémvoli\)](#): 142 11

**Spialia (s.str.) osthelderi (Pfeiffer,1932)**

*Hesperia (Powellia) osthelderi* Pfeiffer, 1932, *Mitt. münch. ent. Ges.* 22 (2): 50. Syntypes ♂♀: [Türkei]: türkisch Nordsyrien: Marasch, 1000m. [Fauna rayonining eliminti \(sémvoli\)](#): 142 24a

**Eogenes alcides Herrich-Schäffer,[1852]**

*Hesperia alcides* Herrich-Schäffer, [1852], *Syst. Bearb. Schmett. Eur.* 6: 38; *ibidem* 1: pl. 7, figs. 41-42. Syntypes: [Türkei]: Amasia. [Fauna rayonining eliminti \(sémvoli\)](#): 142 24f

**Eogenes lesliei Evans,1926**

*Eogenes alcides f. lesliei* Evans, 1912, *J. Bombay nat. Hist. Soc.* 21(3): 1007. Type ♂: [Pakistan]: Chitral. *Eogenes lesliei* Evans, 1926, *J. Bombay nat. Hist. Soc.* 21(1): ?? [Fauna rayonining eliminti \(sémvoli\)](#): 142 24f

**Gegenes nostrodamus (Fabricius,1793)**

*Hesperia nostrodamus* Fabricius, 1793, *Ent. syst.* 3(1): 328-329. Type(s): Barbaria. [Fauna rayonining eliminti \(sémvoli\)](#): 321 1

**Gegenes pumilio (Hoffmannsegg,1804)**

*Papilio pumilio* Hoffmannsegg, 1804, *Mag. f. Insektenk. (Illiger)* 3: 202. Lectotype selected by Hemming, 1964, *Annot. lep.* (3): 112 (Pl. 5 fig. 2 of Cyrilli's *Ent. Neap.* published in 1787. [Fauna rayonining eliminti \(sémvoli\)](#): 321 1

**Pelopidas thrax (Hübner,[1821])**

*Gegenes thrax* Hübner, [1821], *Samml. exot. Schmett.* 2: pl. [150]. [Fauna rayonining eliminti \(sémvoli\)](#): 321 1

**Hesperia comma (Linnaeus,1758)**

*Papilio comma* Linnaeus, 1758, *Syst. Nat. (Edn.10)* 1: 484. Type(s): Europe. [Fauna rayonining eliminti \(sémvoli\)](#): 131 1b

**Ochlodes venatus (Bremer & Grey,[1852])**

*Hesperia venata* Bremer & Grey, 1852, [in] Motschulsky, *Etüd. Ent.* 1: 161. Type(s): China. [Fauna rayonining eliminti \(sémvoli\)](#): 142 12

**Thymelicus acteon (Rottentburg,1775)**

*Papilio acteon* Rottentburg, 1775, *Naturforscher* 6: 30. 142 11

**Thymelicus lineolus (Ochsenheimer,1808)**

*Papilio lineola* Ochsenheimer, 1808, *Schmett. Eur.* 1(2): 230-231. Type(s): Germania. [Fauna rayonining eliminti \(sémvoli\)](#): 131 1b

**Thymelicus novus (Reverdin,1916)**

*Adopea nova* Reverdin, 1916, *Bull. Soc. lépid. genevè* 3 (3): 125, Pl. 7 fig. 1N. Syntypes ♂♂: [Turquie]: Amasia (MHNG). [Fauna rayonining eliminti \(sémvoli\)](#): 142 24a

### **Thymelicus sylvestris (Poda,1761)**

*Papilio sylvestris* Poda,1761, *Insecta Musei Graecensis*: 79.

Type(s): [Austria]: Graz. Fauna rayonining éliminti (sémvoli):

132 22a

## **İraq faunasini meydana keltürgen élimintler ve ular ait fauna rayonlirining tizimligi:**

İraqta cemi 145 tür képinek éniqlanğan bolup, bular zoocoğrafik élimint süpitide Holarktik ve Palaetropikal alemler içide yer alğan 37 perqliq fauna rayoniğa aittur. Tövendiki tizimlikte élimintler fauna rayonliri bilen birlikte sunuldi.

### **131 1b**

*Papilio* (s.str.) *machaon* Linnaeus,1758; *Aporia* (s.str.) *crataegi* (Linnaeus,1758); *Pieris* (*Artogeia*) *rapae* (Linnaeus,1758); *Polygonia c-album* (Linnaeus,1758); *Hesperia comma* (Linnaeus,1758); *Thymelicus lineolus* (Ochsenheimer,1808).

### **132 11a**

*Gonepteryx* (s.str.) *rhamni* (Linnaeus,1758); *Argynnis* (s.str.) *paphia* (Linnaeus,1758).

### **132 11b**

*Anthocharis cardamines* (Linnaeus,1758); *Aglais urticae* (Linnaeus,1758); *Callophrys rubi* (Linnaeus,1758); *Polyommatus* (s.str. (*Plebicula*)) *amandus* (Schneider,1792); *Polyommatus* (s.str.) *icarus* (Rottemburg,1775).

### **132 11d**

*Hyponephele* (s.str.) *lycaon* (Rottemburg,1775); *Erynnis tages* (Linnaeus,1758).

### **132 12b**

*Satyrrium* (*Nordmannia*) *ilicis* (Esper,[1779]).

### **132 12c**

*Satyrrium* (*Strymonidia*) *spini* (Fabricius,1787).

### **132 21a**

*Maniola jurtina* (Linnaeus,1758).

### **132 21b**

*Parnassius* (*Driopa*) *mnemosyne* (Linnaeus,1758); *Iphiclides podalirius* (Linnaeus,1758); *Papilio* (s.str.) *alexanor* Esper,[1800]; *Pontia edusa* (Fabricius,1777); *Nymphalis polychloros* (Linnaeus,1758); *Argynnis* (*Fabriciana*) *niobe* (Linnaeus,1758); *Melitaea cinxia* (Linnaeus,1758); *Hyponephele* (s.str.) *lupina* (Costa,[1836]); *Polyommatus* (*Aricia* (s.str.)) *agestis* ([Denis & Schiffermüller],1775); *Heodes* (*Alciphronia*) *alciphron* (Rottemburg,1775); *Heodes* (*Loweia*) *tityrus* (Poda,1761); *Carcharodus* (*Reverdinus*) *orientalis* Reverdin,1913; *Carcharodus* (s.str.) *alceae* (Esper,[1780]); *Pyrgus serratulae* (Rambur,[1839]).

### **132 22a**

*Pararge aegeria* (Linnaeus,1758); *Quercusia quercus* (Linnaeus,1758); *Thymelicus sylvestris* (Poda,1761).

### **132 23a**

*Limenitis reducta* Staudinger,1901; *Brintesia circe* (Fabricius,1775); *Lasiommata megera* (Linnaeus,1767); *Polyommatus* (s.str. (*Lysandra*)) *bellargus* (Rottemburg,1775).

### **132 23c**

*Polyommatus* (s.str. (*Meleageria*)) *daphnis* ([Denis & Schiffermüller],1775); *Polyommatus* (s.str. (*Neolysandra*)) *coelestinus* (Eversmann,1843); *Muschampia proteides* (Wagner,1929).

### **132 2a**

*Coenonympha pamphilus* (Linnaeus,1758)

### **141 1**

*Pontia callidice* (Hübner,[1800])

### **142 11**

*Pontia chloridice* (Hübner,[1813]); *Melitaea didyma* (Esper,[1779]); *Spialia* (*Neospialia*) *orbifer* (Hübner,[1823]); *Thymelicus acteon* (Rottemburg,1775).

### **142 12**

*Libythea celtis* (Laicharting,1782); *Melitaea fascelis* (Fabricius,1787); *Ochlodes venatus* (Bremer & Grey,[1852]).

### **142 21**

*Pieris* (s.str.) *brassicae* (Linnaeus,1758); *Zegris eupheme* (Esper,[1804]); *Vanessa atalanta* (Linnaeus,1758); *Argynnis* (*Pandoriana*) *pandora* ([Denis & Schiffermüller],1775); *Chazara* (s.str.) *briseis* (Linnaeus,1764); *Pseudophilotes vicrama* (Moore,1865); *Pyrgus armoricanus* (Oberthür,1910).

### **142 22a**

*Euchloe* (s.str.) *ausonia* (Hübner,[1804]); *Colias crocea* (Fourcroy,1785).

### **142 23a**

*Melitaea* (*phoebe*) *punica* Oberthür,1876; *Tarucus rosaceus* (Austaut,1885).

### **142 24a**

*Leptidea duponcheli* (Staudinger,1871); *Anthocharis damone* Boisduval,1836; *Anthocharis gruneri* Herrich-Schäffer,[1851]; *Euchloe* (*Elphinstonia*) *penia* (Freyer,[1852]); *Pieris* (*Artogeia*) *ergane* (Geyer,[1828]); *Pieris* (*Artogeia*) *krueperi* Staudinger,1860; *Pieris* (*Artogeia*) *pseudorapae* Verity,1908; *Colias aurorina* Herrich-Schäffer,[1850]; *Gonepteryx* (s.str.) *farinosa* (Zeller,1847); *Thaleropsis ionia* (Eversmann,1851); *Polygonia egea* (Cramer,[1775]); *Melitaea perseae* Kollar,[1849]; *Hipparchia* (*Neohipparchia*) *fatua* (Freyer,1844); *Hipparchia* (s.str.) *syriaca* (Staudinger,1871); *Chazara* (*Neochazara*) *anthe* (Hoffmannsegg,1804); *Pseudochazara* (*Achazara*) *telephassa* (Geyer,[1827]); *Maniola telmessia* (Zeller,1847); *Esperarge clymene* (Fabricius,1787); *Kirinia roxelana* (Cramer,[1777]); *Satyrrium* (*Nordmannia*) *abdominalis* (Gerhard,[1850]); *Tomares callimachus* (Eversmann,1848); *Turanana endymion* (Freyer,[1850]); *Polyommatus* (*Albulina* (*Plebejidea*)) *loewii* (Zeller,1847); *Thersamonina* (s.str.) *asabinus* (Gerhard,[1850]); *Thersamonina* (s.str.) *thetis* (Klug,1834); *Erynnis marloyi* (Boisduval,[1834]);

*Spialia* (s.str.) *osthelderi* (Pfeiffer,1932); *Thymelicus novus* (Reverdin,1916).

#### 142 24b

*Zerynthia* (*Allancastris*) *deyrollei* (Oberthür,1869); *Polyommatus* (s.str. (*Agrodiaetus*)) *wagneri* (Forster,1956).

#### 142 24c

*Archon apollinaris* (Staudinger,[1892]); *Euapatura mirza* Ebert,1971; *Melitaea collina* Lederer,1861; *Pseudochazara* (s.str.) *pelopea* (Klug,1832); *Satyrus favonius* Staudinger,[1892]; *Hyponephele* (s.str. (*Turaninephele*)) *wagneri* (Herrich-Schäffer,[1846]); *Coenonympha saadi* (Kollar,[1849]); *Cigaritis cilissa* Lederer,1861; *Cigaritis maxima* Staudinger,1901; *Polyommatus* (*Aricia* (*Ultraaricia*)) *crassipunctus* (Christoph,1893); *Polyommatus* (s.str. (*Agrodiaetus*)) *elbursicus* (Forster,1956); *Muschampia poggei* (Lederer,1858).

#### 142 24d

*Polyommatus* (s.str. (*Admetusia*)) *alcestis* (Zerny,1932)

#### 142 24e

*Melanargia hylata* (Ménétries,1832); *Hipparchia* (*Parahipparchia*) *pellucida* (Stauder,1924); *Polyommatus* (s.str. (*Admetusia*)) *mithridates* (Staudinger,1878); *Muschampia tersa* Evans,1949.

#### 142 24f

*Brenthis mofidii* Wyatt,1968; *Hipparchia* (*Neohipparchia*) *parisatis* (Kollar,[1849]); *Satyrus* (*Nordmannia*) *marcidum* (Riley,1921); *Plebejus* (*Kretania*) *iranicus* (Forster,1938); *Polyommatus* (*Albulina* (*Vacciniina*)) *alcedo* (Christoph,1877); *Thersamonia* (s.str.) *kurdistanica* (Riley,1921); *Eogenes alcides* Herrich-Schäffer,[1852]; *Eogenes lesliei* Evans,1926.

#### 142 31

*Melitaea arduinna* (Fabricius,1787); *Cigaritis epargyros* (Eversmann,1854); *Glaucopsyche* (s.str.) *aeruginosa* (Staudinger,1881); *Plebejus* (*Plebejides*) *zephyrinus* (Christoph,1884).

#### 142 32

*Satyrus pimpla* Felder & Felder,[1867]

#### 142 33

*Polyommatus* (s.str. (*Admetusia*)) *phyllis* (Christoph,1877)

#### 142 34

*Lasiommata menava* Moore,1865

#### 211 1

*Danaus* (*Anosia*) *chrysippus* (Linnaeus,1758); *Cynthia cardui* (Linnaeus,1758).

#### 211 2

*Celastrina argiolus* (Linnaeus,1758)

#### 221 1

*Lampides boeticus* (Linnaeus,1767); *Lycaena* (s.str.) *phlaeas* (Linnaeus,1761)

#### 221 2

*Tarucus balkanicus* (Freyer,[1843])

#### 222 1

*Issoria lathonia* (Linnaeus,1758); *Zizeeria karsandra* (Moore,1865).

#### 223 1

*Euchloe* (s.str.) *belemia* (Esper,[1800])

#### 223 2

*Chilades* (*Lachides*) *galba* (Lederer,1855)

#### 321 1

*Anaphaeis aurota* (Fabricius,1793); *Colotis fausta* (Olivier,[1804]); *Pontia glauconome* Klug,1829; *Catopsilia florella* (Fabricius,1775); *Precis orithya* (Linnaeus,1758); *Ypthima asterope* (Klug,1832); *Chilades* (*Freyeria*) *trochylus* (Freyer,[1843]); *Gegenes nostradamus* (Fabricius,1793); *Gegenes pumilio* (Hoffmannsegg,1804); *Pelopidas thrax* (Hübner,[1821]).

#### 324

*Princeps* (s.str.) *demoleus* Linnaeus,1758.

Tövende İraq k p nekliri  stide sanliq melumat cehettin mulahize  lip b rildi. Bu melumatlardin qariganda İraqta mevcut ve periliq fauna rayonliriga ait k p neklerning sani Grapik 1. de k rs tildi. İraqta Gerbi Asiyeni eng yaxshi temsil qilidigan  limintlarning İraqtaki sanliq melumati Grapik 2. de b rildi. Grapik 3. bolsa İraq ve Qazaqistan k p nek faunalirining sanliq melumatlirining selisturulmisini k rsitidu.

Grapik 1. Fauna rayonliri boyice İraqtaki k p neklerning sani

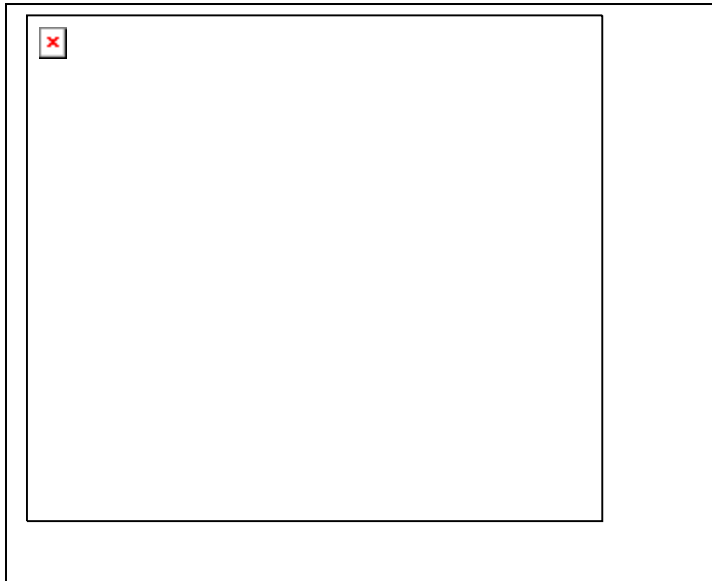
Fauna rayonining kot nomuri	İraq faunasi �limintlirining sani	İraqdiki fauna �limintlirining nisbiti %
142 24a	28	19,31
132 21b	14	9,65
142 24c	12	8,27
321 1	10	6,89
142 24f	8	5,51
142 21	7	4,82
131 1b	6	4,13
132 11b	5	3,44
132 23a	4	2,75
142 11	4	2,75
142 24e	4	2,75
142 31	4	2,75
Başkaliri	39	26,89
Toplam	145	100,00

Grapik 2. İraqtaki Gerbi Asiye  limintliri

Gerbi Asiye �limintliri	�limint sani
142 24a	28
142 24c	12
142 24f	08
142 24e	04
142 24b	02
142 24d	01
Toplami ve nisbiti	56; 38,62 %

Grapik 3. İraq ve Qazaqistan k p nek faunalirining sanliq melumat cehettin selisturmisi

Fauna rayonining kot nomuri	Qazaqistandiki �limint sani	Qazaqistandiki fauna �limintlirining nisbiti %	İraq faunasi �limintlirining sani	İraqdiki fauna �limintlirining nisbiti %
142 33	70	20,77	01	0,68
142 31	29	8,60	04	2,75
132 11b	25	7,41	05	3,44
132 21b	24	7,12	14	9,65
142 35	13	3,85	00	0,00
132 24a	12	3,56	00	0,00
142 21	12	3,56	07	4,82
142 32	09	2,67	01	0,68
121 1	08	2,37	00	0,00
131 1b	08	2,37	06	4,13
132 21a	08	2,37	01	0,68
132 23c	08	2,37	03	2,06
132 12b	06	1,78	01	0,68
142 34	06	1,78	01	0,68
132 11d	05	1,48	02	1,37
221 1	05	1,48	02	1,37
132 12c	04	1,18	01	0,68
142 12	04	1,18	03	2,06
142 24a	04	1,18	28	19,31
142 11	03	0,89	04	2,75
121 2	03	0,89	00	0,00
131 1a	03	0,89	00	0,00
132 11a	03	0,89	02	1,37
132 12a	03	0,89	00	0,00
132 23a	03	0,89	04	2,75
132 24c	03	0,89	00	0,00
142 22a	03	0,89	02	1,37
Başkaliri	37	10,97	53	36,55
Toplam	337	100,00	145	100,00



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**Version 1.0**

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The aim of this program is to compile the literary data on the butterfly of West

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The CD-ROM comprises more than 1900 species and 4400 subspecies with original references, synonyms, vernacular names, distributions, zoogeography, ecological information, bibliography, etc. More than 1000 original digital images and more than 20,000 original distributional maps and graphics are also presented. This work is closely related to the butterfly fauna of all states in Europe, North Africa, Middle East and temperate Asia.

The work consists of two versions (initial and advanced). The Initial Version (Version 1.0) is planned to be published in 2002. The main aim of this issue is to demonstrate a research work of the future, with a complete program of presentation, but incomplete information in some subjects and images deliberately. Thus, an invitation ground for the Advanced Version is created to the readers, who are willing to contribute to the knowledge of the Lepidoptera.

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